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The
HEMIST AND DRUGGIST
or RETAILER - WHOLESALER - MANUFACTURER

hed 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

3426
XLIV OCTOBER 6, 1945 Annual Subscription (with Diary) 25/-. Single copies 9d.

Allenburys
TRADE MARK

DEXTRIN-MALTOSE

THE IDEAL CARBOHYDRATE FOR MILK MODIFICATION

ADEQUATE SUPPLIES OF ALLENBURYS DEXTRIN-MALTOSE No1 ARE NOW AVAILABLE

LLEN & HANBURYS LTD · LONDON · E · 2

LEPHONE: BISHOPSGATE 3201 (12 LINES). TELEGRAMS: GREENBURYS, BETH, LONDON.

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The

PARKE-DAVIS

EMERGENCY

PRICE LIST

1945

is now available and is offered free, on request. Applications for a copy should be specially addressed to the Publications Dept., Parke, Davis & Co., 50 Beak Street, London, W.1, and should be accompanied by a 1d. stamp in order to satisfy the requirements of the Control of Paper Order.

Owing to the necessarily limited number published, only one copy of this list per pharmacy can be supplied.

•

PARKE, DAVIS & CO.
50 Beak Street,
LONDON, W.1
Inc. U.S.A., Liability, Ltd.

now 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line

Elasto

REGISTERED

The Wonder Tablet

ead What Users of 'Elasto' Say:—

iginal letters have been seen by a representative of "The Chemist and Druggist")

Varicose Veins

"A sufferer of varicose veins, I must state tha efore using 'Elasto' I was tortured with tir nd aching legs. After taking a month's sup of 'Elasto' I remark with emphasis that the ling of tiredness and aching has vanished. To sufferers of varicose veins I certainly rec mend 'Elasto'—they are a boon."

AP 0.

—— R. P.

Rheumatism

"I say that I have found 'Elasto' a wonderful . For years I suffered with rheumatism in f nd legs, and at times found it difficult to kee out. 'Elasto,' however, afforded me immediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since."

AT 1108.

—— F. T.

Varicose Ulcers

"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263.

—— E. H.

TH E generous acknowledgements are an indication of the solid goodwill behind Elasto. usands of users, all over the country, are daily telling their friends of similar exp ences with this fine remedy.

Rommend 'Elasto'—and a satisfied customer will recommend You!

A SOUND LINE
A GENEROUS PROFIT

Retail Price 5/- per pkt.
* Including purchase tax.

Wholesale 42/- per doz.
* Including purchase tax.

A FEW SHOWCARDS STILL AVAILABLE

P.A.T.A.

h NEW ERA TREATMENT CO., LTD.

DEPT. R

EC . HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

CASYDROL

REGD. TRADE MARK BRAND

ENZYMIC

Protein Hydrolysate

Ample supplies of 'Casydrol' (Oral) in 500-gm. tins are now available for clinical use in cases of protein loss due to malnutrition, burns, hæmorrhage, trauma or renal damage; impaired intestinal absorption (as in gastro-enteritis, peptic ulcer, ulcerative colitis, etc.); in pre-operative and post-operative surgical management, delayed healing, pregnancy and febrile conditions.

Limited supplies of 'Casydrol' (Intravenous) are also available in bottles of 500 ml., as a sterile solution containing 5% amino acids, free from pyrogenic activity.

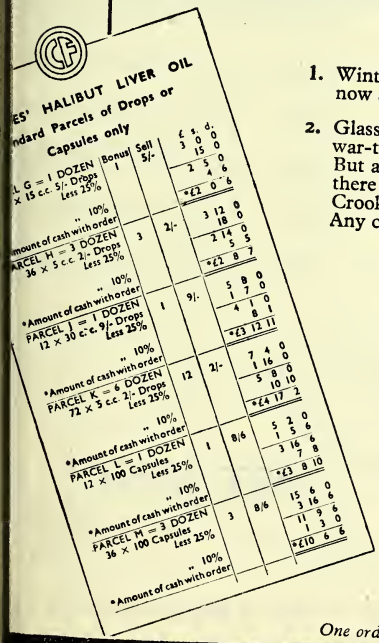
Literature available from the Manufacturers and Distributors

GENATOSAN LTD.,
LOUGHBOROUGH, LEICESTERSHIRE
and
BENGER'S LTD., HOLMES CHAPEL, CHESHIRE

Crookes' Halibut Oil

Two Points

1. Winter is coming. Help us, and yourself, by ordering now above your immediate requirements.
2. Glass is still in short supply; we still have to use some war-time cartons for capsules.
But apart from the 100-capsule packing, vial or carton, there is, at the moment, no other retail packing for Crookes' Halibut Oil capsules—and no cheaper rate. Any capsules so offered are spurious.



ES' HALIBUT LIVER OIL
ndard Parcels of Drops or Capsules only

	Bonus	Sell	£ s. d.
L G = 1 DOZEN × 15 c.c. 5/- Drops Less 25%	1		3 0 0
" 10%			15 0
			2 5 0
			4 6
*Amount of cash with order			*£3 0 6
PARCEL H = 3 DOZEN 36 × 5 c.c. 3/- Drops Less 25%	3	2/-	3 12 0
" 10%			18 0
			2 14 0
			5 5
*Amount of cash with order			*£3 8 7
PARCEL I = 1 DOZEN 12 × 30 c.c. 9/- Drops Less 25%	1	9/-	5 8 0
" 10%			1 7 0
			4 1 0
			8 1
*Amount of cash with order			*£3 12 11
PARCEL K = 6 DOZEN 72 × 5 c.c. 2/- Drops Less 25%	12	2/-	7 4 0
" 10%			1 16 0
			5 8 0
			10 10
*Amount of cash with order			*£4 17 2
PARCEL L = 1 DOZEN 12 × 100 Capsules Less 25%	1	8/6	5 2 0
" 10%			1 5 6
			3 16 6
			7 8
*Amount of cash with order			*£3 8 10
PARCEL M = 3 DOZEN 36 × 100 Capsules Less 25%	3	8/6	15 6 0
" 10%			3 16 6
			11 9 6
			1 3 0
*Amount of cash with order			*£10 6 6

TERMS OF SUPPLY.

1. Bonus in kind will be allowed only when one or more standard parcels G, H, J, K, L, M are ordered.
2. The order must be accompanied by cash. No pro-forma invoices can be issued.
3. Orders for broken parcels or unaccompanied by cash will not be entitled to bonus in kind.
4. Bonus in kind cannot be allowed on any other Halibut Oil Products.
5. We must reserve the right to restrict the number of parcels supplied to any one establishment and thereby, as far as possible, ensure fair distribution.

One order in preference to a series of smaller ones, please!

THE CROOKES LABORATORIES (*British Colloids Ltd.*) **PARK ROYAL, LONDON, N.W.10**

THE MOST POWERFUL INSECTICIDE KNOWN TO MODERN SCIENCE

DDT has received world-wide publicity as a new and amazingly powerful insecticide. In Great Britain, some of the most notable preliminary tests were made by the Bob Martin Research Laboratories. Practical experiments were carried out on infested animals, also directly on fleas, lice and other insect pests.

In every case the insects are completely destroyed.

PESTROY — incorporating DDT/Geigy — makes this new method of keeping pests under control easily available to the general public. It kills fleas, lice, ticks and other insect pests, and is easy to apply. A big demand is inevitable. Order your supply to-day!

IN DRUMS 7½d

MADE BY BOB MARTIN LTD SOUTHPORT LA

Established 1878.

Labels-
Cartons-
Envelopes-

& EVERY DESCRIPTION
OF MEDICAL PRINTING

ALF. HARRISON & SONS LTD.
Chemists' Printers
BURLEY ROAD, LEEDS, 4.

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MERSALYL B.D.H.

MERSALYL B.D.H. complies with the specification for Mersalyl B.P.

rsalyl B.D.H. is a diuretic of high activity and low toxicity; it is indicated in the atment of œdematous conditions, particularly those complicating cardiac disorders. des of issue: in ampoules of 1 c.c. and 2 c.c. of a 10 per cent. solution for intravenous intramuscular injection (Injection of Mersalyl B.P.) and in the form of tablets and positories. Mersalyl B.D.H. is being advertised to the medical profession, and rmacists will be well advised to keep an adequate stock in readiness for all demands.

PRICES

For parenteral administration

x of 6 x 1 c.c. amps.	Who. per doz. 28/-	Tax per doz. 4/8	Retail inc. tax 3/11
„ 12 x 1 „ „	„ „ „ 52/-	„ „ „ 8/8	„ „ „ 7/3
„ 6 x 2 „ „	„ „ „ 44/-	„ „ „ 7/4	„ „ „ 6/1
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blets containing 0.08 grm. Bottle of 20 Wholesale per doz. 30/- Tax per doz. 5/- Retail inc. tax 4/2

THE BRITISH DRUG HOUSES LTD. LONDON N.1

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Full supplies are now available!

'BENZEDRINE' INHALER

Menley & James Ltd. much appreciate the forbearance and understanding shown by their customers over short deliveries and delays in the despatch of 'Benzedrine' Inhalers during recent months. The difficulties which occasioned these troubles have now been overcome, and ample supplies are again available to meet all requirements.

Retail Price 2/-, inclusive of Purchase Tax

Show material on request

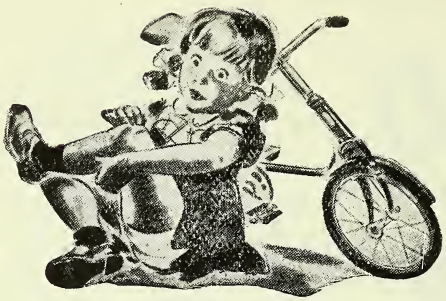
'Benzedrine' Inhaler is the original volatile vasoconstrictor for the treatment of head colds, sinusitis, nasal catarrh, hay fever and asthma.

Menley & James Ltd., 123, Coldharbour Lane, London, S.E.5

BIV2

Reproductions OF FOUR 'UCAL' ADVERTISEMENTS APPEARING REGULARLY IN THE EVENING NEWSPAPERS OF THE COUNTRY

UNITED CHEMISTS ASSOCIATION LIMITED,
UCAL WORKS · · · · CHELTENHAM.



for troubles

that are skin deep

B·F·I

BISMUTH · FORMIC · IODIDE COMPOUND

Abrasions, minor cuts and skin irritations heal mo satisfactorily when treated promptly with a soothin antiseptic dry dressing such as 'B.F.I' powder. Th finely milled preparation has excellent spreading an clinging properties as well as the proper degree astringency necessary to reduce excessive secretion. It easily applied.

'B.F.I' powder brings welcome relief in the local trea ment of chafing and many other types of skin irritatio including "athlete's foot", and may be relied upon absorb excessive discharges without caking or formir hard crusts. Moreover, 'B.F.I' powder is especial noted for its effectiveness in relieving the aching, burnir sensation of tired feet.

Sharp & Dohme Ltd

HODDESDON HERTS

DIGNITY OF EXPERIENCE

For several decades we have taken pride in maintaining the standards and service on which our reputation as specialists in pills, tablets and galenicals has been built. We too look to happier times when we can pass on still further the benefits of our experience.

Richard Daniel & Son LTD. Derby

MANUFACTURING CHEMISTS

ESTABLISHED 1860 • DERBY 4266-8

EXPORT IN WARTIME

The amount of Ayrton Products carried by sea is greater than ever, but the needs of the Forces decide the destination.

To our Overseas friends we send our greetings and assure them of the return of the Ayrton Service at the earliest opportunity.

34 HANOVER STREET, LIVERPOOL, 1

AYRTON SAUNDERS & CO. LTD.

★ Take the short cut! ★

This may well be Britain's hardest winter, from the food point of view. Nevertheless, no one need go short of fats and vitamins, because there is now plenty of home-produced SevenSeaS.

But supplies must be where the public can get them—in the shops. Last winter many dealers had to refuse custom because supplies had not reached them, though there was no shortage of the oil itself. Transport and manpower difficulties were to blame, and these are not likely to be greatly eased in the near future.

Take the short cut — via our Direct Delivery Service. That way, you get supplies with the minimum of delay. Orders are sent direct from our Hull refinery to you, and charged through your usual wholesaler.

SevenSeaS advertising has commenced

This widespread Press advertising campaign will continue throughout the winter months. These advertisements will remind the public that SevenSeaS — a far richer natural source of fats and vitamins than butter or new laid eggs — is the only unrationed priority food they will be able to buy this winter.

This advertising, plus the public's undoubted awareness of the great nutritive value of cod liver oil, is likely to start a very early demand for SevenSeaS. We urge you to order in good time. Please write direct to us for order forms.

STANDARD OIL:
Vitamin A 20,000 I.U.; Vitamin D 2,500 I.U. per ounce.

CONCENTRATED:
Vitamin A 60,000 I.U.; Vitamin D 6,000 I.U. per ounce.

Issued by
BRITISH COD LIVER OIL PRODUCERS (HULL) LTD.
ST. ANDREW'S DOCK, HULL

Makers of

SevenSeaS

"It's up to us to keep fit"

That's what

YESTAMIN

Advertising is saying to your customers

It's up to you—

to ensure that sufficient stocks of YESTAMIN Vitamin Yeast Tablets, 100 for 1/1½d., 300 for 3/-, are available to meet increased demand.

The English Grains Co. Ltd., Burton-on-Trent

To correct malnutrition recommend

VIRDOX REGD. **nutrition**

Agents appointed for areas not yet represented

VIRDOX, 75 KINGSWAY, LONDON, W.C

Introducing-

Supol

HAEMORRHOIDAL SUPPOSITORIES

FOR RAPID RELIEF

A new and highly ethical product containing benzocaine and ephedrine. Supol is designed to give immediate relief and lasting comfort for hæmorrhoidal pains, rectal irritation, etc. NOW BEING ADVERTISED. Distribution through chemists only.

ISSUED IN BOXES OF 12 SUPPOSITORIES. PUBLIC price 3/4 inc. tax

INTRODUCTORY BONUS ***12 BOXES INVOICED AS 11***

Sole Distributors:

FASSETT & JOHNSON, LTD., 86 CLERKENWELL RD., LONDON, E.C.1

CG products listed below, though not necessarily available to new buyers, will serve as a reminder to those friends in the trade who for many years have shared in their established sales. If our representative has not already called he will do so in the near future.

ADAPTOPLAST	**DENTOSINE**	**MINSTER SERIES**
BENZ CLENZ	**EASU LINIMENT**	**OZOMINT TOOTH PASTE**
CARNATION CORN CAPS	**EUPINAL**	**REGULOL**
CELLANBAND BANDAGES	**G.P.**	**SANOID SERIES**
CERABAN BANDAGES	**HEALO OINTMENT**	**THERMOID SERIES**
VARIBAN BANDAGES	**ZUDOR JACKETS**	

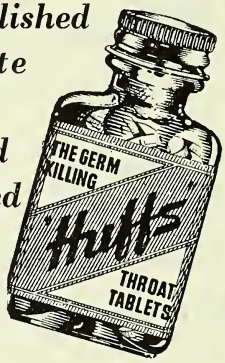
Obtainable only direct from

CUXSON, GERRARD & CO. LTD. OLDBURY, Nr. BIRMINGHAM

"HUFFS"

THE GERM KILLING THROAT TABLETS

an established favourite with improved sweetened base.



CHEMISTS' CF FORMULA

Truly a "Chemists' Friend"

Already a well-established favourite, "HUFF'S"—with improved sweetened base and more extensively advertised throughout Great Britain, will be in good demand again.

Providing a generous profit margin for a small outlay, "HUFF'S" are truly a "Chemists' Friend." ORDER NOW! and make sure of your supplies in good time.

ACTIVE INGREDIENTS

Menthol 0·25%. Phenol B.P. 0·75%. Paraformaldehyde 0·6%. Iodine B.P. 0·0143%. Potassium Iodide 0·037%. Creosote B.P. 0·02%. Citric Acid 1%. In pleasant "Troch-Tab" base.

RETAIL 1/3 including Tax

1 to 3 doz., 9/6 per doz., plus P.T. 16⅔% = 11/1 per doz.

6 doz. lots, 8/6 per doz., plus P.T. 16⅔% = 9/11 per doz.

1 gross lots, 8/– per doz., plus P.T. 16⅔% = 9/4 per doz

Packed in Dozen Outers.
3 doz. and over carriage paid.

BONUS 13 to doz., 6 doz. and over 5- to 10-gross lots, Special Rates.

HOUGH, HOSEASON & CO. LTD.

CHAPEL STREET, LEVENSHULME, MANCHESTER, 19.

Members of the P.A.T.A.

YOUR CUSTOMERS FLY TO

"Fluzo" REG. TRADE MARK

POWDERS

ALSO IN TABLET FORM

The Fast Selling Remedy for HEADACHES, SUMMER COLDS, NEURALGIC PAINS, ETC.

A. S. PRICE & Co., Ltd., Manufacturing Chemists
BLACKHEATH, BIRMINGHAM M-W.49

CELLON SERVICE
FOR INDUSTRIAL WELFARE

FOR HEAD LICE

CELETANE (Regd.)

Medicated (Lethane) Hair Oil—N.W.F.

Undetectable in use. Rapidly effective.

FOR SCABIES

BENZELIA (Regd.)

Benzyl Benzoate—25%

An emulsion of high efficiency, extremely effective in the treatment of this infestation.

Further information, samples and prices upon request

KINGSTON-ON-THAMES

KINGSTON 1234 (5 lines)

CELLON LABORATORIES LIMITED

CVS-37

RIDDOBRON ASTHMA INHALANT
HAS NOT ONLY SECURED AN UNPRECEDENTED SUCCESS AS THE
MOST EFFICIENT TREATMENT FOR
ASTHMA, BRONCHITIS AND EMPHYSEMA
BUT IT HAS ALSO PROVED A REMARKABLE BUSINESS GETTER OWING TO THE CONSTANT FLOW OF REPEAT ORDERS.
INCREASE YOUR TURNOVER BY RECOMMENDING RIDDOBRON TO ALL YOUR ASTHMATIC CUSTOMERS

SPASMOPURIN SUPPOSITORIES	Adjuvant to RIDDOBRON inhalation Treatment. Angina Pectoris, Arteriosclerosis, Dysmenorrhoea.
RIDDOSAN INHALANT	Adjuvant to RIDDOBRON Inhalation Treatment. Indispensable for: BRONCHITIS, LARYNGITIS, TONSILLITIS, CATARRHS, HAYFEVER, HOARSENESS AND SORE THROAT.

RIDDELL INHALERS GUARANTEE THE BEST RESULTS

RIDDELL PRODUCTS LIMITED
"THE LEADING HOUSE FOR INHALATION THERAPY"
AXTELL HOUSE, WARWICK ST., LONDON, W.1
Also at 12 Mosley Street, Manchester
P.A.T.A.

MILLAMALT *The* VITAMIN **MALT FOOD**
With Vitamins (A. 6,500 I.U., D. 400 I.U.) per fl. oz.
Sole Manufacturers
JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Road, N.19

TRANSOTAPE
THE MODERN INDISPENSABLE SELF-ADHESIVE CELLULOSE TAPE
Available now for all industrial requirements
JOHN COSHERON & CO. LTD., GAYFORD ROAD, LONDON, W.12.

REG'D
Galjado
HAIR COLOUR RESTORER
For Grey or Faded Hair.
S. SIGAL & Co. LTD.
MANUFACTURERS OF EXCLUSIVE TOILET PREPARATIONS.
47 TABERNACLE ST., LONDON, E.C.2

We manufacture . . . every variety of
COMPRESSED TABLETS
for the Manufacturing & Wholesale Drug Trade
We can give deliveries on time and invite enquiries
The DALES ASPIRIN CO. (PROPRIETOR H. A. TOLKIEN)
SILSDEN, Nr. KEIGHLEY, Yorks

OXO

A flavoured and seasoned preparation of Beef Extract and Beef Protein.

A delicious and appetising beverage for everyday use.

STIMULATES the FLOW OF GASTRIC SECRETION, FACILITATES the DIGESTION of SOLID FOODS and MAKES MEALS MORE NOURISHING

1896 **P.A.T.A.** 194

P.A.T.A. POLICY

The Proprietary Articles Trade Ass tion is a price-maintenance organi primarily designed to ensure th retail members (i.e. Chemists) ob fair and guaranteed profit on their of the proprietary articles included P.A.T.A. Protected List.

Scope of the P.A.T.A. List. The Prot List includes proprietary medi veterinary preparations, antiseptic disinfectants, infant and invalids' f perfumery, cosmetic and toilet pre tions.

To All these Proprietary Articles mum retail prices are attached enforced, and the allowance of divi bonus or rebate is prohibited.

Retail Section. The Council of the P.A. at their meeting on April 12, resolved that from that date admi to the Retail Section of the Associ should be restricted to persons, firn bodies corporate whose names appe the statutory register of pharmaceu premises.

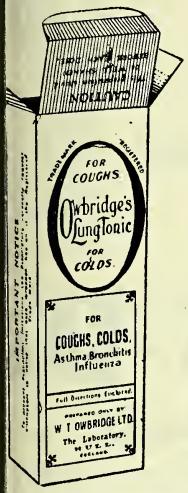
Direction of Sales. It is the Cou policy to recommend manufacture medicinal and surgical propriet included in the P.A.T.A. List to do t utmost to promote the sale of articles through chemists.

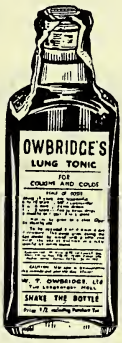
Subscription. The annual subscriptio the Retail Section of the P.A.T.A 7s. 6d. Chemists who are member the N.P.U. may pay their P.A. subscription through that body.

Issued by

THE PROPRIETARY ARTICLES TRADE ASSOCIATION

SUPPLIES ARE STILL LIMITED





(Protected by P.A.T.A.)

Now that Peace has at last returned to the World we wish to extend our grateful thanks and appreciation to all our friends for their kind co-operation in the past six years of difficulty.

We shall continue to give the best service we can during the period of reconstruction and feel sure that we shall have their confidence and sympathy until such time as trade conditions become more normal.

W. T. OWBRIDGE Ltd.
The Laboratory
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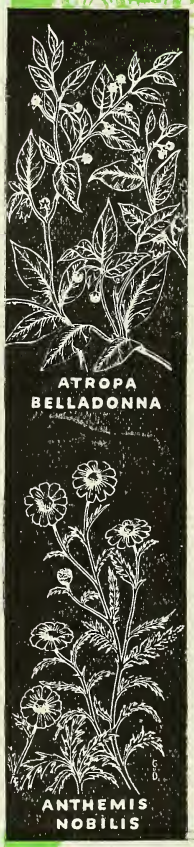

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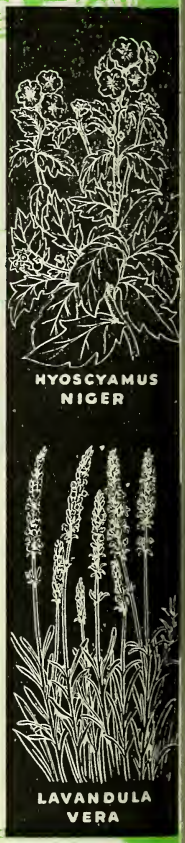

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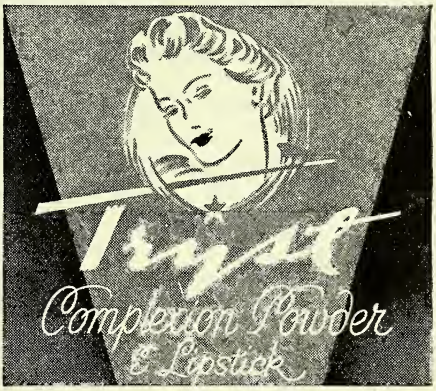

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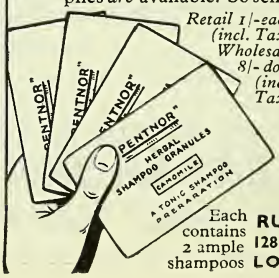

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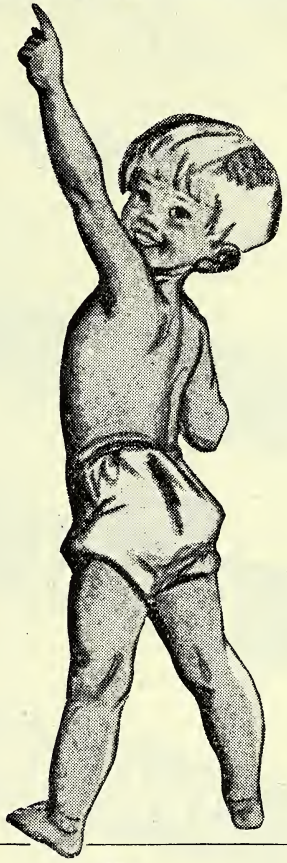

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NEWS OF THE WEEK

I. Delegation to France.—A party tish industrialists, under the leader- Sir Clive Baillieu (president, Federa- British Industries), is visiting France invitation of the French Govern- The visit is a sequel to a decision, n May, to set up a permanent Anglo- Industrial Liaison Committee.

ntine Trade Agreement to End.—itish Government has received notice he Argentine Government of its n to terminate the present Agree- f Trade and Commerce concluded the two countries on December 1, The agreement is subject to six notice, and the expiry date will be y 21, 1946.

ury Aid for Industry.—A committee n set up under the chairmanship of L. Campbell to advise the Treasury g financial aid to industry. Known Development Area Treasury Advis- mmittee, its members are Messrs. Deakin, Edward de Stein, William ning, George Wansbrough and Sir Cecil M. Weir. The committee will receive applications and make recommendations for financial assistance to industrial undertakings, established or proposed, in "development" areas.

Industrial Health Report.—Recommendations for the better training of persons concerned with health in industry are contained in a report issued by the education committee of the Association of Industrial Medical Officers. The report urges that all medical students should be trained to recognise that the daily occupation of patients, the economic effect of illness and the restoration of earning capacity are important aspects of general practice. Students should receive training in accident surgery and occupational medicine, and should have spent at least three days in a factory to receive an insight into the normal work of an industrial medical officer. It is suggested that all teaching hospitals should have available an industrial medical officer to undertake undergraduate instruction, while special instruction for nurses, and

general education in health matters for staffs and workers in industry, are also advocated.

Aid to China.—Ward, Blenkinsop & Co., Ltd., Liverpool, have given a quarter of a million sulphanilamide tablets to British United Aid to China for use in Chinese hospitals.

Soviet Medical Aid.—A cheque for £75,000 for the provision of medical supplies was handed recently to a representative of the Soviet Ambassador at the final meeting in London of the Joint Committee for Soviet Aid.

Listed Sellers in Manchester.—According to the annual report of the Medical Officer of Health, Manchester, listed sellers of poisons in the city number 610 (hardware dealers, 172; grocers, 291; hairdressers, eighteen; drug-stores, twenty-six; herbalists, nine; seedsmen, eleven; florists, three; miscellaneous, eighty).

Penicillin Destroyed in Hospital Fire.—Part of the stock of penicillin at Robroyston Hospital, Glasgow, was recently destroyed by fire due to a short circuit in the refrigerator. The whole stocks of this drug for distribution in the West of Scotland are kept at this hospital, but it is reported that the bulk was salvaged.

Scottish Seaweed.—Certain Scottish newspapers have carried an advertisement on seaweed harvesting, reminding crofters that a guaranteed price of £3 5s. per ton is offered for "air-dried tangle rods." A register of collectors is in course of preparation by the Scottish Agricultural Organisation Society, Ltd., Edinburgh.

Sheffield Branch Officers.—The following have been elected officers of the Sheffield Branch of the Pharmaceutical Society for 1945–46: *Chairman*, Mrs. A. A. Jackson; *Vice-chairman*, Mr. J. A. Kemp; *Secretary*, Mr. S. Durham, 29 Stephen Hill Road, Sheffield, 10 (telephone: 60637); *Treasurer*, Mr. C. P. Gilbert.

Lanolin and Talc to be Decontrolled.—According to a statement made at the first general meeting of the Toilet Preparations and Perfumery Manufacturers' Federation, held in London on October 1 (see p. 358), lanolin was decontrolled on October 1 and talc was due to be decontrolled at the end of October.

London Chemists' Golfing Society.—The Society's autumn meeting was held under ideal weather conditions at Finchley golf club on September 19. Scores returned showed the chemist golfers had not lost touch after five years. The winning card handed in by J. Deas (14), "all square," gained the prize presented by Mr. F. Eric Lewis (captain).

Deaths from "Spirit Concoction."—Three inmates of a lodging-house at Govan, Glasgow, died recently as a result of drinking a concoction believed to consist mainly of industrial methylated spirits. The police have taken possession of the liquid for analysis. It is understood that the preparation was obtained by one of the men from industrial premises at which he was employed.

Eire Council Election Results.—The following have been elected to the Council of the Pharmaceutical Society of Ireland (with the number of votes given): Whelehan, J. K., 519; Costelloe, M., 472; Kissane, J. P., 446; Cunningham, W. G., 443; Scott, T. C., 437; Brooke-Kelly, P., 400; Daly, R., 331. The unsuccessful candidates were O'Sullivan, B. C. (291), and O'Shea, C. D. (240).

Publication of Trade Statistics.—Publication by the Government of the detailed monthly trade accounts will be resumed in the normal form in January 1946. They give particulars of all the principal British imports, exports and re-exports with a considerable amount of information on trade with individual countries. Accounts relating to overseas trade in the first half of 1945 have already been published (*C. & D.*, September 22, p. 30). The July and August summary will be published early next month.

Lectures for West Kent Pharmacists.—A course of eighteen lectures in pharmacology and therapeutics has been arranged for members of the West Kent Chemists' Association and Branch of the Pharmaceutical Society. The first lecture will be given in the Bromley Road School, Beckenham, at 7.45 p.m. on October 19, and subsequent lectures will be at weekly intervals. The lecturer is Mr. R. H. Thorpe (Wellcome Physiological Research Laboratories). The fee, payable in advance to Mr. T. Stoyle, 519 Croydon Road, Beckenham, is £2 2s. The syllabus takes in general anæsthetics; hypnotics and sedatives; analgesics; nerve stimulants; drugs imitating the action of the involuntary nervous system; drugs acting on the heart and blood vessels, affecting the formation of urine, acting upon reproductive organs, affecting the blood; hormones and v

mins; antiseptics; chemotherapeutic drugs; penicillin; sera; etc.

Co-operative Medicine Trading.—Speaking at Sittingbourne, Kent, recently, on "Pharmacy Trade Development" among co-operative societies, Mr. C. Amos (manager, Co-operative Wholesale Society's drug works, Droylsden) said that co-operative pharmacies began to make their appearance twenty-five years ago. It was found that the acquisition of a pharmacy did not detract from the sale of popular medicines in the grocery departments, but that an entirely new trade was created. Co-operative pharmacies had "quite thoroughly" explored the avenues of surgical goods, photographic materials, some classes of fancy goods, and cosmetics, and had in the main built up sound and profitable businesses. Some 190 societies now operated their own pharmacies. The speaker said that, as co-operative representative on the Central Pharmaceutical War Committee, he had been dismayed at the small amount of dispensing done in co-operative pharmacies, when compared with the figures for private chemists.

Blackcurrant Syrup and Purée.—Arrangements similar to those for last year have been made to provide blackcurrant syrup and purée for sale through retail chemists for children, invalids and persons in need of additional vitamin C. The Minister of Food intends the word "children" to have a wide application and to include all children up to the age of eighteen holding a green ration book R.B.2 or the blue ration book R.B.4. Approximately the same quantity will be available as last year. As from October 1, the retail price of syrup will be 5s. 5d. per 13-oz. bottle and that of purée 5s. 1d. for a 9-oz. tin. The bottles contain sufficient for two weeks, and the tins for one week. The manufacturer's price for syrup will be 20s. 10d. per doz. bottles and for the purée 9s. 4½d. per doz. tins. The wholesale prices will be 23s. 2d. per doz. bottles and 10s. 5d. per doz. tins. The vitamin-C content of both syrup and purée is unchanged. Both will be sold under the manufacturers' names, but they will bear labels approved by the Ministries of Food and Health, indicating the classes of persons to whom they may be sold, the price and the minimum vitamin-C content.

Remuneration of C.S. Scientists.—A complete reorganisation of the scientific civil service is recommended in a White Paper issued recently and presented to Parliament by the Chancellor of the Exchequer. The scheme includes the creation of a scientific officer class recruited from highly qualified science graduates at salaries comparable to those of administrative-grade civil servants. There will also be an experimental-officer class to replace the present scientific-assistant class; this will be recruited partly from boys and girls aged eighteen to nineteen, who have specialised in scientific subjects, and partly from University graduates and persons having experience in industry and engineering. An interdepartmental scientific panel is to be set up under the chairmanship of Sir Edward Appleton, to keep under review the well-being and efficiency of Government scientists and in particular to stimulate contacts between scientists within the service and those outside. The principle is laid down that conditions of service for scientists working for the Government shall be "such as to attract scientifically qualified men and women of high calibre and to enable them, after entry into the civil service, to make the best use of their abilities."

Hull President's "Victory Luncheon."—Mrs. E. A. Brocklehurst, recently elected president of the Hull Chemists' Association, held a presidential reception on September 27. It took the form of a "victory luncheon" and was attended by about sixty guests. Mrs. Brocklehurst outlined an ambitious programme for the session, and mentioned that her husband (Mr. E. A. Brocklehurst, president of the Association in 1939) had held his first meeting under the cloud of war, whereas she was holding her first meeting as president in conditions of peace. She welcomed Miss Mozley Stark (president of the Women Pharmacists' Association, and an assistant pharmacist at the Ministry of Health) and two visiting American pharmacists (Sergeants Norman Rubin and Murray Davis, U.S. Army), who were on a three-weeks' Training-Under-Civilian-Agencies' course. Mr. L. S. Selle (senior vice-president) proposed a toast to the visitors, and asked the American pharmacists to take back with them to their American colleagues the greetings and good wishes of the pharmacists of Hull. Miss Mozley Stark responded for the visitors, and Sergeant Murray Davis spoke of the differences between the American drug-store and the English chemist's shop, remarking that many of the difficulties were much the same on both sides of the Atlantic. Mr. H. S. Smart, proposing a toast to the president, paid tribute to Mrs. Brocklehurst's capabilities.

OFFICIAL ANNOUNCEMENTS

Letter and Sample Post to Holland.—The limit of weight for letters, letter packets, printed and commercial papers for Holland has been raised to 4 lb., and sample post has been restored, the maximum weight being 1 lb. Export licensing and currency-control regulations must be complied with.

Parcel Post to Finland.—Parcel-post service has been restored to Finland at the following rates of postage: Up to 2 lb., 3s. 6d.; 2–7 lb., 5s. 3d.; 7–11 lb., 7s.; 11–22 lb., 12s. Parcels may not be registered or insured, or accepted for express-delivery or cash-on-delivery services. Payment of customs charges, if any, by the sender is not permitted, and export-licensing and currency regulations must be complied with.

Tax on Plastic Utensils.—Notice has been given by the Treasury that it proposes to reduce the tax on household goods composed of celluloid, bakelite or other plastic material, of a kind used in the preparation or serving of food or drink, from 33⅓ per cent. to 16⅔ per cent. Representations by interested parties should be addressed to the Commissioners of Customs and Excise, City Gate House, Finsbury Square, London, E.C.2, not later than October 12. Until the Order is issued the tax rate remains at 33⅓ per cent.

Air Mail to East and South Africa.—Civilian air mail correspondence for East Africa, which has previously been carried part of the way by sea, and for Northern Rhodesia, Nyasaland, Portuguese East Africa, South Africa and Southern Rhodesia, to which there has hitherto been no ordinary air mail service, is now accepted for transmission all the way by air from the United Kingdom. Postage for all countries concerned is 1s. 3d. per ½ oz. for letters and 7d. for postcards. Countries covered by this announcement are: Kenya and Uganda, Madagascar, Mauritius, Northern Rhodesia, Nyasaland, Portuguese East Africa, Reunion, Seychelles, Somalia (Italian Somaliland), South Africa, Southern Rhodesia, Tanganyika Territory and Zanzibar. The existing 6d. air letter service, also with air transmission throughout, remains available to all the countries concerned except Madagascar and Reunion.

Postal Services to Far East.—Restricted letter post arrangements are now available to Hong Kong, the Malay States, the Straits Settlements, Siam and French Indo-China. Letters for the first three territories must not exceed 1 oz.; the rates are: By surface mail, letters, 2½d.; postcards, 2d. By air mail, air letters, 6d.; other letters, 1s. 3d. per ½ oz.; postcards, 7d. Letters and printed and commercial papers may be sent to Siam up to a weight limit of 2 oz.; the rates are: By surface mail, letters, up to 1 oz., 3d.; 1–2 oz., 4½d.; postcards, 2d.; printed papers, ½d.; commercial papers, 2½d. By air mail, air letters, 6d. other letters, 1s. 3d. per ½ oz.; postcards 7d. Letters up to 1 oz. and postcards may be sent to French Indo-China by surface route; rates: 3d. for letters and 2d. for postcards. Registration and insurance service are not available to any of the destinations mentioned, and business correspondence must be limited to ascertaining facts and exchanging information.

Air Mail to Australasia.—Pending re-establishment of unrestricted air mail services to Australia and New Zealand the British Government made arrangements to introduce, as from September 25 a limited air-mail service to those Dominions for the benefit of business firms. The service supplements the present arrangements for transmission by air to North America and thence by surface route. Correspondence under the new system is acceptable only subject to the following conditions: Limit of weight, ½ oz.; on each letter intended for either Australia or New Zealand, stamps to the value of 1s. 3d. to be affixed; not more than two letters to be sent by any one firm in a single week; each letter for transmission to be posted to the Department of Overseas Trade, Hawkins House, Dolphin Square, London, S.W.1, in an outer covering (postage 2½d., prepaid), bearing the word ANZAIR clearly written in block letters in the top left-hand corner. With each letter or with each two letters sent simultaneously evidence must be provided, in the form of a half sheet of notepaper bearing the firm's printed letterhead and the signature of a responsible officer of the firm, together with details of the office he holds, that the letter comes from a business firm. Registered mail is not accepted, neither is any acknowledgment, in writing or otherwise, given by the Department of Overseas Trade. Should the volume of mail under the arrangement prove to exceed the available capacity, a modification of the arrangements will be announced when such change becomes necessary.

TOPICAL REFLECTIONS

:cond City in Ulster

English, Scottish and Welsh pharmacists ho visited Northern Ireland in 1935 to tend the British Pharmaceutical Con- ence held in Belfast in that year will ho the feelings of the members of Council the Pharmaceutical Society of Northern land when they met in Londonderry on ptember 13. The Society's president (Mr. arles Abernethy, Ph.C.) is reported (p. 2) as then saying "all the members love go to Derry because they always enjoy mselves so much." As a place to visit, ster's second city has the twin advan- es of historical associations in a beautiful ting and of a very hospitable population, ong whom pharmacists are certainly not least kindly. One of the few walled es in the United Kingdom, and having still rarer distinction that its walls are nplete, Londonderry has for pharmacists noteworthy feature that it claims to sess the oldest pharmacy in Ireland. le of craft remains strong. Within the t ten years the Derry chemists have sented to the Society a brass pestle and tar which now resides at 73 University eet, Belfast, the scene of the Council's al meetings. There is little doubt that Northern Ireland Council members will tinue to look forward to what is likely ecome an annual outing, for the occasion ved an enjoyable social event as well as usiness meeting. Perhaps some English rt may feel prompted to emulate donderry's example in this country.

:hes for Everyone

eferences in your columns to leeches e never, so far as I know, included tion of a quaint pamphlet issued in , at the modest price of eightpence, George Horn, who described himself as othecary, &c." It was entitled "An re New Treatise on Leeches, wherein Nature, Properties, and Use of that most lar and valuable Reptile, is most ly set forth." With mingled humility confidence the author explained his icent purposes in a preface. After essing surprise at what he believed was eglect of the subject by other authors, nt and modern, he continued: "I also particularly let (*sic*) to make this pt from a consideration of the wants penury of the poor, whose circum- es will not (in many instances) admit calling in medical aid when wanted, Treatise may be of some use to them in this respect, they will thereby, in many instances, be able to be their own physicians, and administer relief to their families." Horn was "conscious that the candid and judicious Reader will wink at the defects of the performance (it being entirely original)." His practical hints were intended to smooth the path of the inexpert. One assurance is typical: "For the sake of the timid and fearful, which are generally terrified at the sight of large leeches, thinking their bite must be much more terrible than that of the smaller ones; I have thought fit to mention, that singular as it may seem, it is a fact, that the orifice which the largest leeches make is not (in general) of a greater magnitude than those occasioned by the smaller."

In Lighter Vein

During the past six years one has not been disposed to allow much place to humour in the routine reading of journals—and some of the merriment has seemed incongruous. Responsible newspapers have accorded with this feeling. Now, with the recession of the ills that war has brought, we welcome the return of humour to their pages. In reading your last week's issue, for instance, I relished the story (p. 338) of the customer who asked for a bottle of tablets in order to obtain the pinch of cotton-wool packed over them. Statistically minded people may like to estimate the number of bottles that would have to be purchased if the ½-oz. of cotton-wool supplied was to be reached by that means. Again, there was the reference on p. 328 to a journalist who took sodium pentothal for the purpose of studying its effect on his answers to questions. That episode is neither quite so amusing nor so novel in kind as the tablet-plus-cotton-wool request, experiments on similar lines being on record. An author whose name escapes me has left an account of scribbling after dosing himself with ether or some other substance; as might have been expected, the result was a triviality. More than one writer of distinction has confessed to addiction at some period of life to alcoholic drinks, narcotics, or both. The names of Coleridge and De Quincy readily come to mind, and there are other and more recent cases. Some day a psychiatrist may examine the work of an author with such proclivities, and may attempt to differentiate between the writing done during and that done after a state of abnormal stimulus. ***Xrayser***

TRADE NOTES

Oil of Peppermint.—Limited supplies are available from William Ransom & Sons, Ltd., Hitchin, Herts.

Extra Profit.—How to purchase Karsodrine inhalant, manufactured by E. Griffiths Hughes, Ltd., Adelphi, Salford, 3, Manchester, so as to secure additional profit, is explained in an announcement in this week's issue.

Sea-scented Disinfectant.—British Disinfectant Co., Ltd., Tottenham, London, N.15, are now advertising in the national Press their speciality, 3-Hands household disinfectant, which is described as "the modern disinfectant with sea-scented fragrance."

"DDT Plus."—Rodmill Chemical Co., Ltd., Liverpool, have introduced an insecticidal preparation, Didit, which contains DDT with the addition of a synergist that is claimed to endow the powder with extra advantages. Full particulars may be obtained from the makers.

Unlabelled Cod-liver Oil.—Isaac Spencer & Co. (Aberdeen), Ltd., Albert Gate, Aberdeen, claim that chemists who pack and distribute Isco brand medicinal cod-liver oil under their label are ensured of increased profits, increased goodwill and maintenance of individuality.

Inhaler Shortage Ended.—Menley & James, Ltd., 135 Coldharbour Lane, London, S.E.5, state that the supply difficulties which have caused delays in delivery of their Benzedrine inhaler in recent months have been overcome. Ample supplies are again available to meet all requirements.

Not Yet in Free Supply.—W. T. Owbridge, Ltd., The Laboratory, Hull, express their appreciation to chemists who have co-operated with them during six years of difficult supply. They undertake to continue to give the best possible service during the period of reconstruction, but point out that supplies of Owbridge's lung tonic are still, for the time being, limited.

4 : Methyl—2 : thiouracil.—In order to make available for the use of physicians who are concerned with the treatment of thyrotoxicosis a product which is as active as and less toxic than 2 : thiouracil, Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, have introduced 4 : methyl—2 : thiouracil in 50-mgm., 100-mgm. and 200-mgm. tablets, in containers of 100 and 500.

Autumn Scientific Courses.—We h received the prospectuses of the P technic, Regent Street, London, W.1, of the Derby Technical College. The gives details of courses in intermed science and for the final B.Sc. and medical examinations. The latter inclu information about numerous courses technical subjects, including biology, ch istry, physics, etc.

Dried Hypo.—Johnson & Sons, Ma facturing Chemists, Ltd., Hendon W Hendon, London, N.W.4, have introduc photographic dried hypo in 10-oz. tins, equivalent of 16 oz. of hypo crystals. powder readily dissolves to provide a p fixing-bath for films, plates or papers, in use the contents are dissolved in 4 p of water to provide a solution of the cor strength for films or plates.

New Coty Products.—The first of a p war series of products introduced by C (England), Ltd., 3 Stratford Place, Lon W.1, has recently been put on the mar It comprises three new shades of lips with matching rouge. The products entitled Surprise (a rich pure red), (a shade of red with a hint of brown) Fiesta (a festive and rather lighter shad red). The lipsticks are presented in att tive containers, and the matching rou packed in neat round pots with b metal screw tops. Supplies are availabl home trade so far as quota restrict permit, and it is understood that other and attractive series are to be made a able in due course.

Ovaltine Research Laboratories.—annual report for 1944 on the work of Ovaltine Research Laboratories (A. War Ltd., King's Langley, Herts) was is recently. Some delay was caused in pul tion of the report by the destruction du 1944 of the company's administra offices, but the report itself suggests the research work suffered little theref An account is given of substances occu in natural and processed foods which found to be related closely to vitamin chemical composition but without its scorbutic properties. The substances subsequently named "apparent vita C," and various methods were devise distinguishing between the true and apparent vitamin. Seasonal changes i true and apparent vitamin-C conten walnuts are discussed, and the presen apparent vitamin C in other fruits is

ned. An important paragraph deals with e effect of storage conditions on vitamin C fruit syrups, and the report concludes th a note on the vitamins present in malt tract.

Business Changes

F. Duschênes, produce broker, has noved to 38 Rue du Béguinage, Brussels.

The telephone number of J. Grossmith Son, Ltd., has been changed to Regent 7.

International Laboratories, Ltd., ve returned to 1–3 Smedley Street, ndon, S.W.8.

Mr. Ernest Slade, M.P.S., M.I.C.O., is fining his business activities in future to ical work at 3 Beresford Road, Tolworth.

Crystal Products Co., Ltd., have uired a new factory at Oakcroft Road, k Rise, Kingston By-pass, Surbiton, rey (telephone: Elmbridge 5321).

Mr. F. S. Elsey, M.P.S., 66 High Street, stings, has purchased the pharmaceutical iness of Mr. Ernest L. Slade, M.P.S., Tower Pharmacy, 13 Brighton Road, biton, Surrey.

Messrs. A. J. Holden, Ph.C., F.R.I.C., W. A. Williams, B.Sc., have been ointed joint secretaries of the British ecticide Manufacturers' Association, 166 cadilly, London, W.1.

Messrs. J. K. Millar, M.P.S.N.I., and Moore, M.P.S.N.I., have joined the resentative staff of Groves of Ireland J. Groves & Son), wholesale distributors, Great Victoria Street, Belfast.

Mr. L. A. Eades is retiring from Southalls mingham), Ltd., Charford Mills, Saltley, mingham, 8, after having served the pany for forty-seven years, twenty-en of them as London representative.

Mr. W. A. Williams, B.Sc., has been ointed secretary of the British Animal licine Makers' and Allied Traders' Associa- and of the British Disinfectant Manu- urers' Association, 166 Piccadilly, Lon- , W.1.

Retail Licence Applications.—Edgar ton Hebron, to conduct at 9 New ster Road, New Ferry, a retail business photographic goods and accessories, gs, medicines, and appliances, formerly ied on there by Charles Henry Ashton. ndrew Brown Wade, M.P.S., 55 th Bridge Street, to continue at 585½ owgate, Glasgow, a business in drugs, licines, etc., formerly carried on by G. McPherson.

MARRIAGES

Condy—McLoughlin.—At Townsend Street Presbyterian Church, Belfast, on August 22, Walter Condy, B.Sc., Wellington Park, Belfast, to Gladys McLoughlin, B.A., younger daughter of Mr. S. McLoughlin, Ph.C., and Mrs. McLoughlin, 39 Downshire Road, Cregagh, Belfast.

Kane — Headon. — At Holy Cross Church, Ardoyne, Belfast, recently, Charles Kane, M.P.S.N.I., Antrim Road, Belfast, to Ita Headon, M.P.S.N.I., 13 Ann Street, Enniskillen, co. Fermanagh. The ceremony was performed by Rev. M. F. Headon, Milltown Park, Dublin (a cousin of the bride). The groomsman was Mr. James Kane, brother of the bridegroom, and the bridesmaid was Miss Mary Headon.

Weir—Gray.—At the Lawson Memorial Church, Selkirk, recently, Flight-Sergeant Douglas Alexander Weir, M.P.S., 79 High Street, Selkirk, to Evelyn Gray. The groom, who was shot down during a flight over Germany, was a prisoner-of-war for some time.

DEATHS

Evans.—Missing in March 1945 and now known to have been killed and buried at Niewdorp, South Beveland, Holland, Flight-Sergeant Richard Roy Evans, R.A.F.V.R., M.P.S., 15 Arlington Road, Porthcawl, Glam. Flight-Sergeant Evans qualified in 1942, and served as a navigator in the "Pathfinder" force.

Jones.—At 33 Heatherdale Road, Mossley Hill, Liverpool, on September 27, Mr. Ernest Jones, for twenty-nine years medical representative of Ayrton, Saunders & Co., Ltd., Liverpool, aged fifty.

Melchett.—At 35 Lowndes Square, London, S.W., on September 25, Violet, Lady Melchett, O.B.E., widow of Lord Melchett, formerly a director of Imperial Chemical Industries, Ltd.

Ross.—At 31 Cromwell Road, Aberdeen, on September 24, Mr. John A. Ross. Mr. Ross represented Ayrton, Saunders & Co., Ltd., Liverpool, for twenty-two years prior to his retirement in 1939. He was well esteemed by his chemist customers and by his fellow travellers. He is survived by his widow and one son.

Stuttard. — On September 18, Mr. Charles Thomas Stuttard, M.P.S., 16 Parkhills Road, Bury, Lancs, aged fifty.

Thomson.—At Lossiemouth, recently, Mr. George Rutherford Thomson, M.P.S., 20 Abbey Street, Elgin.

PERSONALITIES

MR. HAROLD F. WILLIAMS has been appointed secretary of the War Works Commission.

MR. A. H. KING has been appointed senior regional officer, Ministry of Health, London Region.

MR. GEORGE MOONEY, B.Sc., Ph.C., has applied for admission as a Fellow of the Royal Institute of Chemistry.

SIR WILLIAM DOUGLAS, K.C.B., K.B.E., has taken up his duties as permanent secretary of the Ministry of Health.

MR. MICHAEL J. MULLAN, Ph.C., M.P.S.I., 23 Thomas Street, Armagh, has been appointed to the Commission of the Peace for county Armagh.

MR. FRED STOREY, Ph.C., 73A Ann Street, Belfast, represents Ulster on the new board of management of the Travel and Industrial Development Association of Great Britain and Ireland.

LIEUTENANT-GENERAL SIR W. LINDSELL has been appointed by the Government to take charge of the release of factory space requisitioned for war purposes and its conversion to peace-time uses.

MR. ALAN MARSHALL, 3 Richmond Road, Southport, who, as recorded in the *C. & D.* (August 18, p. 157), was the winner of a Leverhulme scholarship, is taking up his scholarship at Manchester University. Educated at King George V School, Southport, he served his apprenticeship with J. R. Cave (1922), Ltd.

MR. E. T. NEATHERCOAT, C.B.E., J.P., Ph.C., has been appointed Deputy Lieutenant for the county of Sussex. The distinction has been awarded for work done for the Sea, Army and Air Forces Pre-Service Cadets, and for services rendered to hospitals and to the war effort of the county generally.

BRIGADIER N. HAMILTON FAIRLEY has been made a Fellow of the Royal Society in recognition of his work in combating malaria. He led an experimental team of physicians and specialists, members of which voluntarily allowed themselves to be infected by mosquitoes brought from the swamps at Milne Bay during the fighting against the Japanese.

WING-COMMANDER C. J. HACKETT has been appointed director of the Wellcome Museum of Medical Science in succession so Dr. S. H. Daukes, who has been responsible for the development of the museum during the past twenty-six years. Dr. Hackett is a Research Fellow in Tropical Medicine of the Medical Research Council and has done important work on yaws and other tropical diseases. He takes up his new appointment so soon as he has secured release from the Royal Air Force.

DR. E. ASHWORTH UNDERWOOD has been appointed director of the Wellcome Historical Medical Museum and Wellcome Historical Medical Library, and will take up his duties so soon as he is released from the post he now holds as medical officer of health and chief school medical officer to the county borough of West Ham, a post he has held for the past eight years. Dr. Underwood previously served terms as medical officer of health for Shoreditch, deputy medical officer of health for Leeds, and lecturer in Public Health at Leeds University. He has written widely on tuberculosis, epidemiology and allied subjects, and is well known for activities in the sphere of the history of medicine. For the past five years he has been honorary secretary of the history of medicine section of the Royal Society of Medicine, has contributed in the "Proceedings" of that Society and to other journals, and has for some time been collaborating with Professor Charles Singer in work on Vesalius.

WILLS

MR. ROBERT THOM FARQUHAR, M.P.S., Briarlea, Insch, Aberdeenshire, left personal estate in Great Britain valued at £4,214.

MR. ARTHUR LARDER BRATLEY, M.P.S., Grove House, Mayor's Walk, Pontefract, Yorks, left £7,798, with net personalty £5,445.

MR. ROBERT FREDERICK BLAKE, analytical chemist, 4 Knock Road, Belfast, left personal estate in England and Northern Ireland valued at £8,382.

MR. RALPH ROWLEY BROOKS, M.P.S., 65 Waldegrave Gardens, Upminster, Essex, manager of Cooper & Co., chemists, Lloyds Buildings, London, E.C.3, left £360.

MR. JAMES HENRY DYSON, 13 Cleveland Road, Isleworth, Middlesex, formerly head of J. H. Dyson & Son, soap manufacturers, Halifax, left £16,379, with net personalty £15,580.

SIR MARTIN ONSLOW FORSTER, F.R.S., President of the Indian Science Congress, 1925, and of the chemistry section, British Association, Edinburgh, 1921, and a director, British Dyes, Ltd., 1915–18, left £52,332.

SCRUB TYPHUS VACCINE PROJECT

HE removal of "Special Operational Store Tyburn" from the list of secret operations ing carried out in this country, releases a ccessful story of combined scientific effort, onsored by the War Office, the Ministry Supply, the Medical Research Council, d the Wellcome Foundation, Ltd.

oblems of Infectious Disease

The outbreak of war in the Far East ought many problems to the Allied High mmand, particularly in relation to infecus diseases. Among these was scrub hus, a disease infecting rodents in Asia d Australasia, transmitted by mite larvæ harvesters"), and contracted by human ngs living in jungle and grassland sted by the mite. As Allied troops hed into Burma and New Guinea and er regions where jungle warfare condins prevailed, there was a marked increase the incidence of the disease. It has a siderable mortality rate, and in most es the illness is protracted and incapacing. It is most prevalent during or nediately following the monsoon seasons. earch work has been carried out in many ts of the world on scrub typhus vaccine , as a result of the co-ordination of the rts of scientific workers in the United tes and the United Kingdom, medical arch workers at the National Institute Medical Research, Hampstead, were able 1944 to work on lines which finally lted in a suitable vaccine being prepared clinical trials. By the end of 1944 the y High Command in the Far East sent quest for one-and-a-half million doses his vaccine. It was asked that as large uantity as possible should be made lable for immunising troops in combat s before the onset of the monsoon and accompanying increased risk of scrub us infection.

d Essential

translate a laboratory technique into nufacturing process requires time, but e case of scrub typhus vaccine speed the essence of the scheme. After discon with the War Office, the Ministry of ly and the Medical Research Council, Vellcome Foundation, Ltd., was asked ndertake the work. The project was the code "Special Operational Store burn," and it was decided that the atories and animal breeding-houses d be erected at the Wellcome Veterin-Research Station at Frant, Sussex. In view of the extreme urgency, and the difficulty of obtaining adequate civilian labour (as a result of bomb damage repair work which was going on in Southern England at the same time), it was decided that the building operations should be carried out by the Army. A company of Royal Engineers, together with pioneers and specialist contractors, commenced work on January 14, 1945. On May 4, 109 days after commencement of work, the laboratories were ready, including specialist equipment, much of which was of an entirely new design. The highest priority for materials and apparatus was afforded, and equipment not available in this country was obtained by air from the United States. The design of the laboratories, together with the responsibility for implementing the scheme and the production of the vaccine, was placed with a director loaned by the Medical Research Council to the Wellcome Foundation, Ltd.

Rats Flown across Atlantic.

The method of manufacture required the use of large numbers of cotton rats. These rats are indigenous to the southern states of North America (e.g. Louisiana), and in order to establish breeding colonies in this country and get sufficient animals for the production of the first batches of vaccine, cotton rats had to be obtained from the United States. Weekly shipments of animals were sent by air across the Atlantic in specially heated aircraft, the consignments having the highest priority. On arrival in this country, the rats were taken at once to Sussex, sometimes by air but in most instances by Service transport. To provide staffs for the animal houses and laboratory work, A.T.S. and R.A.M.C. personnel were specially selected and trained. Scientific officers were recruited from the R.A.M.C., and from scientific bodies in this country. In view of the high risk to which all personnel would be exposed in the preparation of scrub typhus vaccine, great precautions were taken to reduce the risk to a minimum. Special equipment was designed and built, incorporating new principles of air sterilisation. In addition, all engaged on the work were immunised, and strict control was exercised over the disposal of infected material. As a result of the efforts of all concerned it was found possible to prepare 100,000 doses of the vaccine for shipment to the Far East at the time required. Production of additional quantities is proceeding.

DDT: THE FULL STORY

ON September 3, six years after the outbreak of war, it was announced that limited quantities of DDT were being released for civilian purposes. Until that moment the compound had been one of the nation's foremost war priorities, although, since August 2, 1944, news of its use for war purposes had been officially released in this country. On that date the efforts of scientists, technologists and industrialists all over the free world to make and apply the new insecticide were made public.

Search for Moth-proofing Chemical

Like much else in modern chemical achievement, DDT arose from years of systematic research, carried out in this instance in the laboratories of J. R. Geigy, Basle, Switzerland. During the past twenty years the Geigy company, closely associated as it has been, through its manufacture of dyes, with the textile industry, has been engaged on a major research into mothproofing agents, leading up to the publication, in a Swiss chemical journal, of intensive work directed by Drs. Lauger, Martin and Müller at Basle. The Geigy laboratories have been working on dyestuff chemistry for the past hundred-odd years, and the experience of dyestuff chemists was freely drawn upon. It was early realised that what was wanted was a substance not merely toxic to the moth larva, but one which imparts a permanent toxicity to the wool—a colourless dye, therefore, with good affinity for the wool fibre, good fastness to light, washing and milling (the usual wet-fastness properties). Moreover, the preparation must also be harmless to warm-blooded animals, especially human beings, and have no offensive odour.

Synthesis of a General Insecticide

The researches led to the discovery of Mitin, a suitable product for treating wool as a permanent mothproof; from this it was a natural development to extend the study, by chemical synthesis, to the quest for a general insecticide. The research was therefore made more general, and a wider range of substances was investigated on other insects. Much was learned from an examination of natural insecticides, such as the vulpinic acid of certain lichens (*Cetrania vulpina*), rotenone, pyrethrum, coumarin derivatives, etc., all of which failed, however, to come up to specification because all were easily destroyed by light. It was also evident that species of insects that consume a more varied diet, such as gree leaves, stalks, and fruit, must possess more varied system of digestive fermen than the keratin eaters (moths), and th be more readily affected by poisono substances. It was in the section of researc carried out by Dr. P. Müller, with speci of insects other than moths, that succe came. Arising out of the simultaneo development of organic synthesis ar biological analysis of the contact pois process, there emerged a compound whic as it later turned out, was already know and had already shown good effects. Th was diphenyl-trichloro-ethane. From th basis another substance of the group w prepared — αα-dichloro-diphenyl-βββ-tr chloroethane—which showed an insecticid effect never hitherto observed in a synthet substance. This was DDT.

Discovery of Contact Effect

Müller tested DDT against the Colora beetle by sprinkling a dust preparation an infested potato plant. He noticed th almost immediately the larvæ dropped the ground, and he took up a spadeful soil, which he carried into the laborator next morning he found that all the larv were dead. He reasoned that, as they ha dropped from the foliage immediately, th had not had time to eat any part of t plant containing DDT, so that they mu have died by mere contact with the powd It was in this way that the contact effe of DDT was discovered. Direct applicati of DDT to large-scale field work was fir made in Switzerland against the Colora beetle. At a time when pyrethrum ar derris were unobtainable, the discove saved the Swiss potato crop in 1940 fro a particularly serious infestation and esta lished evidence of its immense potentialiti

In 1942 the Geigy company contacted t British Legation in Berne, to communica to them the arresting results alrea obtained with DDT, which at that time, course, was referred to under the Gei trade names of Guesarol and Neocid, t former referring to agricultural applic tions and the latter to medical preparatio against parasites such as the louse and t mosquito. The Geigy company in Ma chester also introduced the material to t authorities responsible for the chief testin stations, both agricultural and medical; the United Kingdom.

Before an insecticide can be used on large scale, however, particularly as

ygiene measure, a great deal has to be nown not only about its power to kill nsects and its methods of application and he strength in which it should be applied, ut—even more important—the degree of isk to health which may attend its use. Carly laboratory tests carried out in Eng- and by groups of chemists, entomologists nd other scientists concentrated the work f several years into a slightly higher num- er of weeks. The faith of the research orkers was justified, for DDT was soon nown to be a unique compound, with roperties superior to those of any insecti- de previously made. It thus had obviously nmense military possibilities. Of the any materials, natural or synthetic, which p to 1942 had been tested for their toxic fect on mosquitoes and flies, pyrethrum owers, belonging to the genus *Chrysan- emum*, had proved to be by far the most fective. In the period immediately pre- ding the war, world production of pyre- rum flowers was approximately 15,000 ns per annum, of which 70 per cent. was own in Japan. Kenya began commercial roduction in 1933, and by 1938 was roducing 2,000 tons annually of very high uality flowers. America was by far the rgest consumer, and practically the whole the Kenya crop was shipped to that untry for extraction of the physiologically tive ingredients, the pyrethrins. With e entrance of Japan into the present nflict, supplies of both pyrethrum and tenone, another important insecticide, ere cut off, at the same time as the total emand for the Armed Forces of the Allied tions rapidly increased. Even after imination of all domestic uses require- ents remained far in excess of output.

evelopment Panel

Immediate means to improve the position d to be found. As one of the steps, an secticide Development Panel was set up the Ministry of Production, during the inter of 1942, under the chairmanship of rofessor I. M. Heilbron, F.R.S. This was mposed of leading entomologists, malari- ogists and chemists, and included supply d service specialists and representatives the Dominions and the United States. e of the first steps taken by the Panel as to examine all synthetic insecticides vailable. From these it chose DDT for) its effectiveness as an insecticide, (*b*) its rmlessness to human beings and warm- ooded animals, and (*c*) the fact that it uld be manufactured in this country from w materials available in Britain.

Production Plans

Pilot-scale production was immediately commenced and, in collaboration with the British Geigy company, plans for larger scale production were entered into. The full potentialities and methods of application of DDT were simultaneously worked out by teams of Government, University, and industrial scientists, in collaboration with experts from the three Services. Close liaison was established with American and Dominion scientists, who were already working on similar lines, and today many hundreds of workers are collaborating in developing all aspects of its use and application. Bulk production was speedily in operation, and plans were being made for further expansion, for, with the ever-growing knowledge of what DDT could do, Service demands were increasing. The demands of the Services are still high, and take first priority, so that only limited quantities of DDT can as yet be made available for the numerous applications which the product will have in everyday life. It may be of interest here to state that, on the occasion of his visit to Normandy, Mr. Churchill was so impressed with the importance of DDT that he caused it to be given an equal priority with penicillin. At first, DDT was used in this country for the louse-proofing of garments used by the Armed Forces, and impregnated shirts have been an issue to British front-line troops since 1943. They have proved extraordinarily effective, the more so as they withstand several launderings without vital loss of activity. It is no exaggeration to say that the troops were virtually louse-free, in striking contrast to German prisoners of war who, when brought in, were generally found to be heavily infested. It has been stated by leading scientific opinion that the use of DDT, coupled with vaccine, will, in future, so greatly reduce the incidence of typhus in every part of the world as to ensure freedom from virulent epidemics of the disease.

First Mass Disinfestation

The first full-scale use of DDT in a war sector was in Naples. Here, in December 1943, typhus broke out among the over-crowded civilian population which, in the main, was poverty-stricken, dirty and louse-ridden. So soon as the Allied Forces were in control, vigorous steps were taken to suppress the outbreak by mass disinfestation. This was first done by dusting with non-DDT-containing lousicides but, so soon as DDT became available, it was used

alone and with signal success. During January 1944, 1,300,000 (72,000 on the peak day) civilians were dusted at two delousing stations, and within three weeks the outbreak in the city of Naples was completely under control, the weekly number of civilian cases reported falling sharply from 305 in the peak week ending January 11 to 155 the following week. DDT has thus already made medical history. Never before has a typhus outbreak been arrested in mid-winter.

Use Against Malaria and Dysentery

For the troops, however, protection against malaria and dysentery is even more important, and, in operations carried out in the Far East, DDT found its most important war use. In this theatre of war, large areas were formerly rendered virtually untenable by their enormous populations of malaria-carrying mosquitoes. Addition of DDT to oil, which has been used against mosquito larvæ ever since the Panama Canal was built, produces a larvicide of such potency that only a fraction of the oil previously employed will henceforth be required. The new preparation remains toxic to mosquito larvæ for days after use. In all wars many more people are afflicted by disease than are killed or wounded. So far as current knowledge extends, more people die from the epidemics following a war than are killed by enemy action during hostilities. Hence the importance of the new application of DDT.

As the quantity of DDT solution required is small, relatively large areas can be treated from the ground by means of hand or power sprayers. For larger areas, or where ready ground access is not possible, spraying from aircraft has given results of the highest significance. Large areas have been successfully treated. Use of ½ lb. or less of DDT per acre results in an almost complete kill of larvæ and a high rate of kill of adult mosquitoes, both by direct contact and by the dramatic residual effect of the insecticide. The spray can be applied with the familiar insecticide "gun," with power-operated sprays, or with the new gas-operated sprays. A method developed by the U.S. Army was the aerosol bomb which, by reason of its compactness and ease of transport, is extremely valuable for use by front-line troops in tents, native huts, foxholes, etc.

It is fitting to quote here the statement which Mr. Churchill, as Prime Minister, made in the House of Commons on September 28, 1944: "The excellent DDT powder has been fully experimented with and fou to yield astonishing results, which w certainly be used on a great scale by t British Forces in Burma, and by Americ and Australian Forces in the Pacific, a indeed all theatres." The most rece large-scale application of DDT took pla when the Allied Armies liberated the vario concentration camps in Germany, such Belsen, Buchenwald, etc., and so broug relief to the plagued inmates who we ridden with insects and suffered unto agonies as a result of infestation.

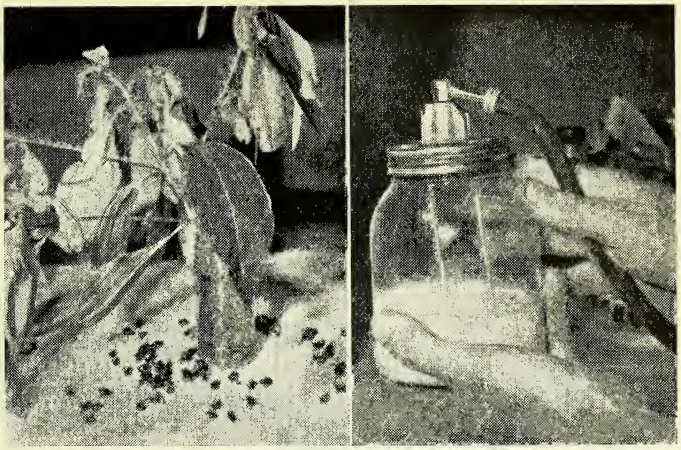
However, if the war-time uses of DI were manifold, the peace-time uses a beyond count, and new fields of applicati are being discovered almost daily. T control of vermin affecting man, and t disinfestation of property, embrace su pests as the louse, flea, bed bug, cockroac cricket, and silver-fish, not to forget t common house-fly, carrier of so ma intestinal diseases and cause of so mu loss of foodstuffs. Preparations of DDT ca be made up for dusting or spraying furnishing fabrics and carpets to prote them against moth larvæ, and can rubbed into furs before being put away f the summer. In dairy, poultry, and shee farming, DDT has wide fields of applicati in dealing with lice, fleas, warble flies, ke and ticks, to cite only a few, and for t disinfestation of stables, shippons, he houses, dog-kennels, etc. DDT preparatio have been applied direct to cows, horse pigs, hens, sheep, and to dogs from arm dogs to greyhounds. In agriculture DDT in use against soil, root and plant pests suc as wire-worm; carrot, onion and cabbag root flies; caterpillars, etc. One of i greatest benefits arises in orchards an soft-fruit plantations, where it used for t control of many pests, notably the appl blossom weevil.

DDT in Paints

One of the latest developments of DDT its application in distempers and paint The results obtained in factory canteen with DDT oil-bound water-paints full justify the immense amount of work don in laboratory and laboratory-field exper ments. The social implications of th findings need no stressing. Great improve ments have been brought within easy gras of such industrial undertakings as jam biscuit and sweet factories, to mention onl a few. Moreover, quite apart from thei use in disinfestation, such paints create ne hygienic conditions in which insects ar unable to settle and multiply.

m of DDT's

e question DDT should s a contact n is most t to answer, es, of course, e boundary n between istry and ology. It is, rse, a most ant question ider. Obser- s have been o the effect uching one rsus) of flies DT solution rol) causes and spasm nent in the leg of the air, proceed- n to the next pair, as shown in the n here reproduced :—



Left, Japanese beetles which have fallen to the ground after spraying their host plant with a preparation of DDT. *Right*, Spray used for applying DDT in a demonstration by an American agricultural research worker.

rting foot

paralysis then extends to the mouth nd attacks the wings and abdomen cession—the sequence making it robable that the DDT is influencing ve endings. It has also been ob- hat certain butterflies discard their ler the influence of DDT poisoning. utotomise," or self-amputate, and done thus:—

(⊙ autotomised).

DD is not a repellent. Insects do not void DDT-treated surfaces, nor do they how mmediate ill-effects after having ome contact with it. DDT has no nme te "knock-down" effect, but, once onta d, is fatal. Its action is not evers le, and the effect is lasting.

lark g Plans

DD itself is far too concentrated to be sed an insecticide in its pure condition. mu be compounded into dusts, solutions, etc., for application by dusting or sprinkling, spraying, or painting. For this reason DDT manufacturers sell the chemical to established insecticide manufacturers, who will put it up in the form most suitable for each application. They will give these preparations their own trade names, but each package will contain a statement on the label to the effect that the preparation contains DDT-Geigy. Patents for the manufacture and application of insecticides containing DDT are held by the Geigy Co., Ltd. It is the company's policy to grant to purchasers of DDT-Geigy the right to use the patents so long as suitable acknowledgement is made of them on the labels and in relevant literature. Stafford Allen & Sons, Ltd., have been appointed distribution agents for DDT, and they will sell to authentic insecticide manufacturers in much the same way as they have distributed pyrethrum and rotenone. The Geigy-Stafford Allen organisations will not enter the insecticide field themselves, but in general will restrict themselves to the sale of DDT. On the other hand, the Geigy concern has registered the following trade marks:—

1. Agri-horticultural: Guesarol.
2. Medical and textile: Neocid.
3. Veterinary: Neocidol.

Insecticide manufacturers may put a product on the market as Smith's Guesarol dust (against flea beetle); Jones' Neocid dust (as louse powder) or Brown's Neocidol emulsion (as sheep dip).

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en to One on the Small Trader

N announcement that owners of ten or ore shops cannot reopen a branch unless was closed for war reasons (staff shortage, mbing or requisitioning) will be welcomed proprietors of one-man businesses. The cision is attributed to the Minister of ood (Sir Ben Smith), and presumably plies only to food traders, but the inciple is one that may well be extended. ood traders are not the only ones who are a disadvantage in trying to re-establish emselves in business—after an absence e directly to the war—against multiples d "co-ops." Both the latter, as has been inted out in a propaganda campaign by e Council of Retail Distributors, are ually in a position to find the premises and uipment to reopen at once. In other ords, they have had all the advantages in race in which all competitors start from scratch." To provide an equitable "start" the private trader, it is difficult to sualise recourse to any other machinery an that of handicapping the larger mpetitor. That accepted, and assuming at multiples are allowed to reopen one ten of the branches that have been osed for the permitted reasons, and are t totally debarred from reopening by the ct of owning ten shops or more (the nouncement is not entirely unambiguous the point), the ratio seems a fair enough sis to work on. Experience will, of course, ow. If a branch has been closed simply because it did not pay, there is no reason why it should be given the opportunity to obtain a licence to reopen—at least until all compulsory closings have been dealt with—yet it is believed that licences have actually been granted to a number of proprietors in such circumstances. The opportunity is now denied to them; its removal is just, for it was palpably unfair to the small man. "Redundant" staffs could be transferred to other areas (increasing competition there for the one-shop owner) only to be re-transferred when there was again the prospect of profitable business in the original locality. Thus both the absent shopkeeper now seeking opportunity to re-establish himself, and the owner-retailer left in business, have had or will have to play their hand against a competitor who, so to speak, has hitherto held the "joker" in his hand.

Simultaneously with the introduction of this system of "handicapping," a better chance than hitherto is being given to many retailers in the Forces to secure release. Those who have applied on compassionate grounds, and have had their applications refused, are to be encouraged to apply again. Instructions have been given to Service authorities that a "wider interpretation" is to be given to the grounds for release. Factors that are to be taken into account are whether the applicant, if released, can give immediate employment to others, and whether parents, for example, who have been running a business for a serving man, are now finding it beyond their capacity to continue. It should be pointed out that men who renew their applications on these grounds must have had at least three years' service, but that there are many who can meet this requirement is suggested by the receipt every month, in the Army alone, of over 10,000 applications for release by owners of one-man businesses.

It is satisfactory that something is now being done to redress a condition of affairs which, without deliberate design or intention, has tended to become less and less favourable to the "small man." The Minister of Food has given his own view that few Service or ex-Service men have been prejudiced in this way. The view is one

that we do not share, but even if only a handful have suffered in this way, they are entitled to the degree of consideration we have indicated.

Forthcoming Scientific Films

During the course of the next few weeks several outstanding documentary films on the chemical industry will be released for showing in cinemas at home and abroad. Produced with the dual aim of telling the British public all about the research and pioneer work that has been going on behind the scenes in British chemical factories and laboratories and as a means of supplementing the normal methods of export propaganda, industrial films can form an excellent medium of showing our products to the world markets. The majority of the films are to be made in something like twenty-two languages.

Of the coming chemical industry films, two will deal with the development of the sulphonamide group of drugs. One produced for the Ministry of Information deals with the subject from a popular angle while the other, taken in the works of the British pharmaceutical manufacturing company concerned, strikes a more scientific note. The latter production is aptly called "Chemists at Work" and is produced by Cossar Turfery and sponsored by the Film Producers' Guild. Built around the first experiments that led to the discovery of M & B 693, the film goes on to show how these experiments not only produced the first of the now famous sulphonamide group but also resulted in the subsequent production of many derivatives. This film emphasises the importance of the work of research by industrial chemists and the commentary, specially recorded by Ronald Waldman, strikes just that happy medium between the coldly scientific and the popular style.

"Conquest of the Germ," the forthcoming Ministry of Information film, strikes a romantic note by tracing the history of the development of the sulphonamide drugs through the fictitious experiences of a young hospital doctor, played by film star David Farrar. The film finishes at the outbreak of the war with Germany, showing the application of sulphonamide at the battle front.

This year's most successful film also dealt with the medical side of the chemical industry. This was the film "Penicillin," sponsored jointly by the I.C.I. and the Therapeutic Research Corporation. Its reception by national and trade film critics was quite up to the standard usually reserved for a first-class studio production. Thus, with the completion of the two sulphonamide films mentioned above, the chemical industry has created very valuable and permanent records of three of the most outstanding achievements of the present day. Such films as these are of the greatest value to technical colleges and schools of pharmacy as supplementary to the normal courses of instruction. Films of this type will also be welcomed by schools for showing to senior chemistry students and those of school-leaving age who may wish to enter one of the branches of chemical industry.

The Fall in Mercury

The announcement of a sharp cut in the United Kingdom official prices of mercury (*C. & D.*, September 29, p. 334) was not unexpected. For some time past the American market in the metal has been showing a decided weakness, as a result of the falling off in military demand, and it was thought that a similar condition would sooner or later arise in this country. Selling prices of mercury — an essential war material—were fixed by the Control of Mercury (No. 6) Order, 1941, at about the levels ruling for the metal at that time. A slight easement of the control was announced in October 1941, when, by means of the Control of Mercury (No. 7) Order, 1941 the Ministry of Supply removed price control from sales of mercury of 7 lb. and under, presumably with the intention of enabling the smaller re-sellers to obtain a price sufficient to cover the extra costs of re-sale in small quantities. The price of the metal was raised in August 1942 to the level in force until last week. The new cut in prices—approximately 50 per cent.—took effect on October 1 and is reflected in considerably lower rates for mercurials. The cheaper prices for the chief salts are given in the Trade Report.

PHARMACY'S NEXT FIVE YEARS

UNDER the heading "The Next Five Years of Pharmacy," Mr. Hugh N. Linstead, M.B.E., M.P. (secretary of the Pharmaceutical Society), gave a crowded meeting of West Riding chemists at Leeds, on September 21, his ideas on the prospects for craft in the immediate post-war period. Mr. A. L. Peters (chairman of Leeds Branch) presided, and among those present were Mr. J. C. Wilson, Bradford (a member of the Council); Mr. T. Heseltine, Normanton (member of Council and of the National Pharmaceutical Union Executive); and Mr. H. Steinman, Manchester (a member of the N.P.U. Executive).

Complete Change in Situation

MR. LINSTEAD said he supposed pharmacy had many times been regarded as "at the cross roads," "crossing the stream" or "in the melting pot," but there had never been a time when such a feeling was more justified than the present. He recorded the important changes held out in the National Government's National Health Service White Paper. Now, however, they had a complete change in the political character of the Government, with the development of a State service almost certain, with probable far-reaching effects on pharmacy and pharmacists. They were based at the original White Paper, and he would be much surprised if the new Medical Service Bill did not provide for public health centres and full-time salaried doctors with auxiliary supply services and, in the big centres at any rate, pharmacy departments for dispensing work. Under the previous Government pharmacists had hoped such a development had been put in the background, but it was now likely to come to the fore. During the next five years, and increasingly after that, there was likely to be the development of pharmaceutical departments under local authorities. That being so, chemists must hold on strictly to the understanding reached with the former Government's Ministry of Health that the public should be entitled to take their prescriptions to the chemist of their own choice, including the private chemist if as desired. That was fundamental.

How far, he asked, could chemists hope to maintain their private pharmaceutical service side by side with a public service? Given unity and determination among themselves, he felt sure they would be able to make good. They must make certain that wherever public dispensaries were set up, pharmacists were in control. They could not allow any mediocre service to develop, and he hoped the present pharmaceutical service would have adequate opportunity to prove to the community that it could provide all that the public needed.

"If we prove, during the years, when the State will not have the bricks and mortar to set up health-centre buildings, and when labour and materials are fully occupied on greater priority work in housing, etc., that we can give the necessary service in our shops, it will add to our credit. If we can show, for three, four or five years in the reconstruction period, that everything the public need and want can be obtained through the existing channels, then the spending of large sums of public money on setting up health centres and dispensing departments will not be justified."

Professional and Commercial Trends

As the socialisation of the medical service developed it was going to emphasise one difficulty of which pharmacists had long been conscious—that as between the professional and commercial sides. There would be more and more tendency for the professional side to pass into the public service, whilst the chemist who looked for a livelihood on the commercial side would find himself driven more and more to that side. "I see no reason why the commercially-minded pharmacist should not make a satisfactory living out of a practice which has a greater commercial emphasis than in the past, and will be less tied by professional limitations of one kind and another." It simply meant that more would-be pharmacists would have to make a definite decision which of the two lines of pharmacy they were going to follow. On the prospects of remuneration, MR. LINSTEAD considered the advice of the London conference (to wait until they knew more definitely what the service was going to be) was right, but he was inclined to feel that it would not now be disadvantageous to open up with the Ministry some preliminary investigations into the question. Under the new scheme State work might become the bulk of the chemist's business. Without going into too much figure detail, he was hoping to provide strong arguments to justify opening up preliminary discussion on the matter. He felt payment should not be on a salary basis, but rather on that of a dispensing fee, drugs at cost price, and a reasonable profit.

Mr. Linstead recalled the steps that had to be taken before the war to keep down the number of entrants into pharmacy to something like the number the craft could absorb. Today the position was that many pharmacies were short of qualified staff, and there were older pharmacists who were weary of doing two men's work. This meant that there was going to be pressure to increase the intake of students during the next few years, but he felt it would nevertheless be a mistake to lower the entrance requirements, especially as, under the new Education Act, there was going to be a large group of pupils of a type that had never previously entered the ranks of pharmacy. If they lowered requirements they might get a lot of people who would not ultimately be able to "clear the hedges" of the later examinations. People going into the professional side would not stand much chance of promotion unless they took a university degree. The time was coming when they would have to give the Chemist and Druggist examination student the opportunity to do his apprenticeship after qualifying. That would avoid the two or three years' break which tend to take out of him the study habit. The n Government's intentions about milita service were not yet known, but such s vice was likely to be maintained for t next five years at least, and he hoped t Government would be persuaded th students going forward to a known qua fication should be allowed to get it bef entering military service.

Chemists as individuals were now w organised, said the speaker, but he thoug there should be a definite organisati representing individual chemists and a other acting on behalf of the company a co-operative society pharmacists, betwe which there should be a liaison for a proaches to the Government. He had feeling that pharmaceutical employ were never likely to establish themsel as an independent organisation, and t they would have to link up with an est lished union. His own view was that proper union would be the Association Scientific Workers.

A general discussion followed and Linstead answered a number of questions

ULSTER ASSOCIATES' COMMITTEE

The monthly meeting of the associates' committee of the Ulster Chemists' Association was held in Belfast on September 27, Mr. W. H. Boyd, Ph.C., presiding. Congratulations were offered by the Chairman to Mr. M. D. Moore, Ph.C. (vice-chairman), on the birth of a daughter. It was agreed that a meeting of the Belfast Union dispensers should be held so soon as possible.

The Secretary reported that a grant had been made to the section out of the social subcommittee's funds towards entertainment at the annual meeting. He was asked to thank the subcommittee.

Membership Matters

The following applications for associateship were approved on the proposal of Mrs. E. H. Barr, seconded by Mr. G. McCloy: *Pharmaceutical Chemists*, Messrs. John Kernahan (H.M. Forces) and J. G. Hendron; *Apprentices*, Miss M. M. Hughes and Mr. Joseph P. Lavery. The secretary was directed to write to each of five associates whose subscriptions for the current year were unpaid, advising that, unless the overdue subscription, together with the subscription for the year commencing October 1, 1945, were paid before November 1, the persons concerned would cease to be associates.

A draft of the committee's annual rep was received and approved, a statement the annual accounts, prepared by treasurer, indicating a satisfactory state affairs. It was agreed that copies of annual report and accounts, together w notices convening the annual meeting, be held on October 25, should be circulat It was agreed to circulate to associa information of a whist drive on October and of the Association's annual dinner November 21.

The Secretary reported that all retiring members of committee were seek re-election except Mr. W. J. Gray, Ph who would not in future find it practica to attend the meetings. Mr. E. B. Willi son, Ph.C., who had been elected as apprentice, was now seeking election a Ph.C. No new nominations had b received, and there would therefore be election. It was agreed that it would useful to have on the associates' commit all pharmaceutical chemists represent pharmacists employed as such in pu institutions, hospitals, etc., and tha notice of motion in the name of the ch man should be put on the agenda for annual meeting concerning a change in rules necessary to enable the committe co-opt such a person.

MISCELLANEOUS PROHIBITED GOODS ORDER

NEW Miscellaneous Goods (Prohibition Manufacture and Supply) (No. 7) Order, 5 (S. R. & O., 1945, No. 1176), just ued, divides the schedule of controlled ds into two parts, while retaining the vious numbering of classes so far as sible. The new first schedule includes t of the former class 7 (glassware, exling mirrors or glass plates). Certain es of powder puffs, for which licences e not normally been issued in the past, also included in the schedule as class 16. new second schedule includes the sent classes 1 (jewellery, etc.), 9 (cash isters), 11, 12, 13 and 14 (miscellaneous cy goods of various materials) and a class 15, comprising mirrors and glass es (formerly in class 7). Included in s 13 are powder puffs, but it is made r that types covered by class 16 in the schedule are excluded (these types are nky" puffs and any puff containing e than 9 sq. in. of textile material). The sent control is continued, so far as goods wn in the first schedule are concerned, no person may manufacture them, or ply such goods of his own manufacture, hout a licence. Licences relating to the nufacture and/or supply of these goods, ed under the No. 3 Order (S. R. & O., 3, No. 149) and still in force on October 945, remain valid, but any such licence horising "supply by exportation" may be taken as authorising supply to the nnel Islands after that date. Applicas for future licences should be addressed he Board of Trade, I.M.4, Neville House, e Street, London, S.W.1. Certain nges have been made so far as goods wn in the second schedule are conned. A licence is not required under the Order for the manufacture and supply the manufacturers of such goods, proed that the total value of any goods uded in the schedule supplied during a iod of restriction does not exceed £1,800. e limit covers the entire business, and ot an allowance in respect of each emyee.)

ief for Mixed Businesses

licence continues to be required by the nufacturer for any supply of such goods xcess of £1,800 for the restriction period. ences issued before October 1, under the sent Orders, for second schedule goods e to be valid on that date. Applicas for new licences should be addressed he Board of Trade at the address given above. The need for increasing exports is paramount, and in normal circumstances licences allowing manufacturers to supply more than the "free £1,800" will set a limit on supplies for the home market, but permit unlimited supplies for export. Any manufacturer of goods shown in the second schedule, or any manufacturer receiving a licence or exemption under this Order, whose business also comprises a wholesale or retail department, should now treat his manufacturing department as a wholly separate business for the purpose of this Order, provided that the necessary accounts and records are kept, and unless the Board of Trade otherwise determines. This means that the control of his supplies operates upon transfers of such goods from the manufacturing department to the other department, instead of upon the supplies of goods by that other department.

Computation of Value

The method of computing the value of goods supplied under the authority of this Order, or of any licence issued under it, is now set out in Article 4. If a manufacturer of second schedule goods has a "mixed business" (explained in the preceding paragraph) he should note that the value of goods transferred from his manufacturing departments to his wholesale or retail department must be calculated in accordance with Article 4 (3). Broadly speaking, since the value to be counted is the price which the goods would fetch in the open market, this means that the recorded value must include an allowance for manufacturing profit and selling expenses.

No Guarantee of Materials

It should be clearly understood that neither the concession permitting supplies up to £1,800 during the restriction period, nor any licence issued under the Order, carries with it any guarantee that raw materials will be available. In particular it is impossible to make any allocation of rationed textile material for the manufacture of goods controlled under this Order.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to present conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the *C. & D.*, 17 Argyle Street, Bath, Somerset.

TOILET PREPARATIONS AND PERFUMERY INDUSTRY

THE first annual meeting of the newly-formed Toilet Preparations and Perfumery Manufacturers' Federation, Ltd., of Great Britain, was held in London on October 1. The chair was occupied by Mr. L. J. Matchan who, at a meeting on May 17, had been elected to hold office as chairman of the Federation until the first annual meeting. THE CHAIRMAN said he believed all members had received the evidence resulting from the provisional Council's work. Before the organisation had been incorporated, opportunity had been given to every member to express his opinion as to the various clauses in the constitution, and he therefore felt the provisional Committee had accomplished the task it had been set. Already excellent progress had been made and 325 members had been admitted; further applications were before the Committee. A classification of members under sectional heads had also been carried out, in order to facilitate the sectional elections.

MR. MATCHAN paid a tribute to the provisional Committee which, he said, had approached what was a ticklish problem—that of getting the Federation into being—with an open mind, and all had contributed a great deal. He was pleased to say that Mr. Demuth's promise that, if the Federation were started, the Cosmetic Association would cease to exist had been carried out, and they all thanked Mr. Demuth for great help in making the Federation a *fait accompli*.

Election of Officers

MR. KOENS then proposed, in accordance with the Council's recommendation, that Mr. Matchan be re-elected as *Chairman*. This was seconded, and approved with acclamation. On the recommendation of the Council, THE CHAIRMAN formally proposed that Messrs. W. Cowlishaw (Coty (England), Ltd.) and A. J. Madden (Potter & Moore, Ltd.) should be elected *Vice-chairmen*. This was unanimously agreed. THE CHAIRMAN said they had five sections at the moment: (1) perfumery and toilet waters; (2) hair preparations; (3) shampoos; (4) wholesaler manufacturers and bulk hairdressers' suppliers; and (5) general toilet preparations, and he formally proposed that the five sectional representatives, in the same order, should be Messrs. T. Lyddon Gardner (Yardley & Co., Ltd.), N. F. Fabricius (County Perfumery Co., Ltd.), A. Chaventré (Evan Williams Co., Ltd.), W. H. Osborne (Osborne, Garrett & Co., Ltd.) and E. J. Smith (Tokalon Ltd.). The nominations were seconded and unanimously adopted.

A tribute was paid by the chairman to the work of Mr. Demuth, to whom, more than anyone else, he said, they owed the strength and wisdom of that part of the constitution which upheld the rights and privileges of the smaller manufacturers. Mr. Demuth had stood determined and resolute behind his demands, against almost overwhelming opposition. For the non-sectional representatives, THE CHAIRMAN said there were ten seats. He and the two vice-chairmen occupied three of them, leaving seven to be filled. In addition to the seven retiring members of the first Council, the following nominations had been received: Mr. L. Bartholomew (F. W. Hampshire & Co., Ltd.) and Miss Peta Stamp (Luce's Eau-de-Cologne Co.). A ballot would therefore be necessary. The members then proceeded to ballot. On the chairman's proposition Messrs. Turquand, Youngs, McAuliffe & Co., were appointed *Auditors* of the Federation.

Resignation of Secretary

THE CHAIRMAN said he next had a shock for the meeting. It was the intention of Mr. Middlemiss (a deputy-assistant secretary of the London Chamber of Commerce), who had been acting as their secretary, to leave the semi-civil-servant life he had been living for nearly twenty years and go into commerce. They all knew of the sterling work Mr. Middlemiss had done, and he himself did not know how they would have got on without him in the past six years.

Work of the Council

MR. MIDDLEMISS said a Commission had recently visited France and arranged a purchase of a small supply of aromatics. The aromatics had arrived some three or four weeks previously, and were now being distributed. They would be available only for export use, and included jasmine, narcissus, carnation, and similar articles. Essential oils were, of course, the subject of the Essential Oils Control Scheme run by the Ministry of Food. The position to date was that on most of the small oils and some of the more important ones 100 per cent. had been distributed or was in process of distribution against this year's estimated requirements of members. Lavender, of course, was the oil in which most members

ould be interested, and arrangements to uy lavender had been made at the same me as the Commission visited France. he lavender had arrived a week or so ago, ut had been held up because rather more as bought than was needed for the purely xport trade, and the Ministry had had to scuss with the Treasury how to deal with . The Treasury had agreed that the permery and compound-making trades should ave their export requirements satisfied rst, and the oils would be distributed rough the Aromatics Joint Committee echanism, and not the Essential Oil ntrol Order, which meant that members ould get them a good deal cheaper, beuse they would go straight from importer user. The balance, after export had been tisfied, would go through the Essential ls Scheme, and it would be available for rfumery, medicinal, or any other trades. e thought the rate would be about 40 per nt. of requirements, which was quite eful for those who had not seen any ench lavender for so long. The position other oils was very difficult.

At that stage THE CHAIRMAN announced e result of the ballot for non-sectional presentatives. The two additional nomitions did not secure election, and the tiring provisional members were therere declared re-elected, as follows: Messrs. race Barrett (J. & E. Atkinson, Ltd.), Beetch (Elizabeth Arden, Ltd.), A. J. ack (Dorothy Gray, Ltd.), R. G. as (J. Grossmith & Son, Ltd.), A. F. nning (Pond's Extract Co., Ltd.), G. M. berts (Thos. Christy & Co., Ltd.), and Vardy (A. & F. Pears, Ltd.).

scussion on Export Trade

A considerable discussion then ensued the methods to be adopted to promote e export trade. THE CHAIRMAN said they d heard a lot about becoming exportnded. He thought they were all exportnded, and he would like to start a new rase, and that was they should not be port-minded but export-active, and when said "they" he meant mainly Governnt departments. The other day he and . Middlemiss had visited the Import censing Department to discuss the estion of importing Swiss synthetics. e Treasury had given permission to the ard of Trade to give them permission ughter) to spend £34,000 in Switzerland. e Federation had gone back and said Ve want £50,000," and that was being nsidered. To be export-active they ust have certain things: space, labour, and raw materials. He proposed that they, as an industry, should make up a list of such raw materials, including container supplies, as they wanted to get their export trade going for the next year or eighteen months, and go to the Treasury and demand to be allowed to spend that amount of money, while showing them what it would produce in return. Suggestions made by members included the necessity of keeping alive the home trade as evidence to visitors of the standard of manufacture in this country, obtaining raw materials from Germany as reparations, and elimination of quotas.

THE CHAIRMAN then introduced to the meeting an American visitor, Mr. Davis (of Max Factor), who was a member of the U.S. Government's Advisory Committee on Cosmetics. A precedent had been created in that the trade Press was at the meeting for the first time in any big meeting of the trade. Replying to a member, he said he did not feel they need worry about imports of cosmetics from abroad, but the Council would watch the situation.

American Cosmetic Industry

MR. DEMUTH then welcomed Mr. Davis who, he said, was a distinguished member of the American cosmetic industry, and MR. DAVIS declared that, so far as competition in America was concerned, they also had their problems. He doubted whether any country was in a position fully to supply its home market and export as well, but he felt sure the Federation and its members would overcome the obstacles that faced them. He believed America and England would be the largest exporters of cosmetics.

THE CHAIRMAN agreed that they must have a healthy home trade, but the country needed exports; it had not got the raw materials to do much export trade, but that trade must come first. What would happen if they took quotas off completely? Raw materials would be distributed on the home market, and the need for exports would be secondary. He thought there might be a raising of the quota, or more probably some lessening of the gap between unconcentrated and concentrated firms. Replying to a request for a proportional increase in quotas, THE CHAIRMAN said he saw no reason why the £500 figure should not be raised to £1,000 in respect of small firms which had only just started to trade before the war. A member suggested an immediate application to the Board of Trade for some sort of de-restriction now. There were articles in

the toilet-preparations trade which did not need imported raw materials, and his firm would find it rather difficult to employ all the people they were going to get back unless there was some sort of de-restriction. He suggested a "half-way house," and asked the chairman if he had any percentage figure in mind. THE CHAIRMAN declined to reveal the Council's intentions at the moment, but welcomed all suggestions from members, which, before the end of the year, when the new quota would come into force, would be brought back to a general meeting in the form of proposals.

Chemists' Cosmetic Trade

A member quoted the ordinary chemist's and hairdresser's quota, which he understood was a "political" quota. It was, he said, a thing that affected their industry very greatly. There were about 12,000 chemists, and the trade must be losing a tremendous lot of business. He thought it was time the Board of Trade realised there was never anything like that before the war, and either abolished that quota or made the chemist buy his raw materials from manufacturers. Then the industry would get the benefit of the trade the chemist did today. There was perhaps not a physical but an implied quota of £10,000,000 turnover, if they took £500 each. THE CHAIRMAN said they had had that problem in front of them ever since quotas had come in, and he thought it was the worst part of the legislation they had. There was, in his opinion, however, only one way of combating the chemist, and that was to organise themselves so that they could de-restrict themselves at the earliest possible moment.

Another member suggested interchange of temporarily redundant containers held by manufacturers, which could be achieved through the Federation. THE CHAIRMAN promised the Council would look into the matter at its first meeting. He reported an interchange of information with the U.S. industry. The scientific section of the Toilet Goods Association of America had brought out a lot of data on standards of raw materials, and the Federation had received permission to circularise that information to its members. He proposed that they should send the T.G.A. a sincere vote of thanks.

The meeting then adjourned for lunch. (*A report of the luncheon speeches and pictures of the gathering will be published in next week's issue of the C. & D.*)

After the luncheon interval, MR. MIDDLEMISS concluded his review of the raw materials situation. He was glad to report that, from that day, lanolin was released from control. Just what that meant in terms of supply position he did not know. THE CHAIRMAN: It means a shortage. (Laughter.)

Allocations of Raw Materials

They had been handling allocations of Indian talc, which was the quality everybody preferred. It was reserved first for export, then for the home trade in baby powder, which was a more-or-less essential use, but talc also was coming off control at the end of October. The position had steadily eased, and he thought that that month they had met everybody's requirements, both for export and home trade in a decent-quality talc. On petroleum products, members would know that there had been an allocation arrangement under which 1941 usage had been satisfied to the extent of 100 per cent. of that usage without stipulation as to export, and petroleum jelly to somewhere around 90 per cent. They had arranged a meeting in about a week's time with the authorities, and he would like details of members' demands before then. They were now getting a very greatly increased ration of alcohol, for export use. He was afraid the indications of alcohol for the home trade were that they would not get it just yet. Those who made hair preparations for home trade had throughout been getting a small allowance of 12½ per cent. of pre-war usage, with a stipulation that they should not market any hair preparation with a greater spirit strength than 40 per cent. Solvents for nail varnishes had been a very difficult problem, and had been complicated by an evasion on the home market through the sale of preparations which were supposed to be for stopping ladders in stockings. The only solution was the release of nail varnishes for home trade but at the moment they could only get the promise that solvents would be released for export use. MR. MIDDLEMISS said the Council had been trying to get a better quality of alcohol for perfumers. They had at long last succeeded and a great deal of the credit lay with Mr. Barrett. The outcome was that fairly soon there would be a special grade of alcohol available only for perfumery manufacturers, which would consist of pure s.v.r., from pure methanol, with a mixture of at least 5 per cent. aromatics, plus an agreed body, which was still the subject of discussion with the Government chemist; the Federation had virtually reached the end of the discussion.

TRADE REPORT

t quotations for pharmaceutical chemicals, crude drugs and essential oils represent the es for wholesale quantities of standard quality. C.i.f. quotations do not include excep- al marine risk insurance and other abnormal charges payable under present conditions

28 Essex Street, W.C.2, October 3

E week has again been without any standing developments in the London g and chemical markets. Most dealers ort a small but steady home consuming le, together with a fair volume of export uiry. The general tone of the markets irm, and prices on the whole have re- ned at about the levels recorded last k. Resumption of trade with the Far t may be further delayed by the present ettled conditions in some parts of that a. Such names currently in the news as gon and Java are closely associated h supplies of CRUDE DRUGS, and, until e stable conditions are established, iness with these sources is likely to be cult. In PHARMACEUTICAL CHEMICALS main price movement is a substantial in MERCURIALS, consequent on the nt sharp drop in official rates for the al. New prices for the principal com- nds are given, and it is hoped to publish schedules at an early date.

de Drugs

ost of the business in CRUDE DRUGS come from the home manufacturing e. Prices remain firm, with few fluc- ions. ANTIMONY continues in rather icted supply, but prices are main- ed at former levels. Supplies of BUCHU VES have become rather depleted. re is a rather better demand for CAR- OMS, with holders asking somewhat er prices. CHILLIES and other spices quiet, with little improvement in the ly position; prices, however, are dy. As new arrivals of ERGOT are ected to be of poor quality, sound erial on spot is moving off well at the e quoted. The lower-testing JALAP ntly quoted has now been sold. As d last week, the official price of MER- Y has been sharply cut. SEEDS are t and without quotable change. Quota- s for bulk quantities of TURMERIC are cult to obtain.

and Fats

he Minister of Food announces that e are no changes in existing prices of fined oils and fats and technical animal allocated to primary wholesalers and e trade users during the five weeks ng November 3.

Exchange Rates on London

The following is a list of Bank of England fixed rates at the opening on Wednesday morning:—

Centre	Quoted	October 3
*Alexandria	Piastres to £	$97\frac{3}{8}$–$97\frac{5}{8}$
Brussels	Francs to £	$176\frac{1}{2}$–$176\frac{3}{4}$
*Chunking	Per $	$2\frac{31}{32}$–$3\frac{1}{16}$
Copenhagen	Kroner to £	19.32–19.34
Dutch West Indies ..	Florins to £	7.58–7.62
Paris	Francs to £	$199\frac{7}{8}$–$200\frac{1}{8}$
Lisbon	Escudos to £	99.80–100.20
Montreal	Dollars to £	4.43–4.47
New York	Dollars to £	$4.02\frac{1}{2}$–$4.03\frac{1}{2}$
Stockholm	Kronor to £	16.85–16.95
Zurich..	Francs to £	17.30–17.40

* Free market rates

Pharmaceutical Chemicals

ACETANILIDE.—Steady at makers' quotations of 2s. 5d. per lb. for crystals and 2s. 6d. for powder.

AMPHETAMINE.—Price is unaltered at 150s.

ASPIRIN.—Prices per lb., for lots of 28 lb.–1 cwt., are as follows (containers in brackets): 4s. 1d. (1-lb.); 3s. $11\frac{1}{2}$d. (4-lb.); 3s. $10\frac{1}{2}$d. (7-lb.); 3s. 10d. (14-lb.). Terms: Net one month.

ASPIRIN TABLETS.—Scales per 1,000 for bulk supplies are as follows: Under 5,000, 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. $10\frac{1}{2}$d.; 500,000, 2s. 10d.; 1,000,000, 2s. 9d.

BARIUM SULPHATE (*x*-ray).—Quoted at the following rates per lb., for lots of 28 lb.–1 cwt. (containers in brackets): 1s. $5\frac{1}{2}$d. (1-lb.); 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. $2\frac{1}{2}$d. (14-lb.); 1s. 2d. (28-lb.).

BORAX.—Current rates per ton are as follows: B.P. quality, granulated, £38; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered, carriage paid in Great Britain in one-ton lots and upwards.

BORIC ACID.—Current rates per ton are as follows: B.P. quality, granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards.

BRUCINE.—Current rates per oz. are as follows: ALKALOID.—Under 25 oz., 1s. $4\frac{1}{2}$d.; 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s $3\frac{1}{2}$d. NITRATE and SULPHATE.—Under 25 oz., 1s. $3\frac{1}{2}$d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. $2\frac{1}{2}$d.

CALAMINE, B.P.C.—Quotations are steady at 1s. 8d. per lb. for 7-lb. lots and 1s. 6d. for 28-lb. lots.

CITRATES.—Makers' prices per lb. are as follows: POTASSIUM, in 28-lb.–1 cwt. lots (containers in brackets): 3s. 6½d. (1-lb.); 3s. 5d. (4-lb.); 3s. 4d. (7-lb.); 3s. 3½d. (14-lb.); 3s. 3d. (28-lb.); IRON AND AMMONIUM (SCALES), B.P., is at 2d. per lb. above, and SODIUM is at 3d. per lb. below these prices. POTASSIUM and SODIUM POWDER, one penny per lb. extra.

CODEINE.—Current prices per oz., for small lots, are as follows: BASE.—½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE.—½ oz., 50s.; 1 oz., 47s. 6d.; 2 oz., 46s; 3 oz., 45s. 3d.; 4 oz., 45s. PHOSPHATE.—½ oz., 43s. 9d.; 1 oz., 41s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz., 38s. 9d.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (6s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

LACTATES.—Prices are as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb.; 14-lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

MANDELIC ACID.—In good demand: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

MERCURIALS.—The following are the new prices per lb., for cwt. lots: Bichloride, B.P. powder, 8s. 6d.; bichloride, technical, 8s. 6d.; chloride (calomel), 10s. 2d.; oxide, red levig., 11s.; oxide, yellow, B.P., 10s. 10d.; oxide, yellow, technical, 9s. 9d.

PHENOLPHTHALEIN.—Current rates are as follows: Less than 7 lb., 4s. 8d. per lb.; 7 lb., 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; 1 cwt., 4s. 4d.

PILOCARPINE.—Makers quote at the following rates per oz.: BASE, 1 oz., 27s.; 4 oz., 21s. 3d.; 8 oz., 20s. 9d.; 25 oz., 20s. 3d. NITRATE, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

QUININE.—A Reuter message indicates that the Japanese did not cause much damage to cinchona plantations in the Netherlands East Indies.

SALICYLIC ACID.—Quoted per lb. as follows, in lots of 28 lb.–1 cwt. (containers in brackets): 2s. 7d. (1-lb.); 2s. 5½d. (4-lb.); 2s. 4½d. (7-lb.); 2s. 4d. (14-lb.).

TERPINEOL.—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb. for use in antiseptics of the chloroxylenol type.

VANILLIN.—The agreed prices are unchanged as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d. per lb.

Crude Drugs

ANTIMONY.—Demand for this metal c tinues brisk, but supplies are rather sh Prices are unchanged: English minimum per cent. regulus, £112 10s. per ton, deliver 70 per cent. crude, for the home trade, £90.

ARECA NUTS.—Wormy material may still obtained on spot at 85s. per cwt.

BALSAMS.—*Peru* is at 8s. per lb., and *Can* at 12s. 9d., nominal. *Tolu* and *Copaiba* unobtainable.

BELLADONNA.—English herb continues to quoted at 4s. 6d. per lb. Indian root, test 0·25 per cent., would be worth 2s. 3d. per if available.

BISMUTH.—Demand keeps steady. Price at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU LEAVES.—Remaining lots are sn and holders are asking 5s. 3d. to 5s. 6d. per

CARDAMOMS.—In better demand. Ale greens, spot, 5s. 9d. per lb.; Aleppy seeds, 6s.

CHILLIES.—Mombasa is steady on spot 110s. per cwt.

CINNAMON CHIPS.—Spot quotations remair 2s. 2d. per lb., ex store London.

CLOVES.—Market price firmer with spot sel of Zanzibar at 1s. 5½d. per lb., sellers; to arr 10½d. per lb., c.i.f.

COCHINEAL.—Silvers may be obtained spot at 5s. 9d. per lb.

COLOCYNTH.—Dealers can offer fair w quality on spot at 2s. 6d. per lb.

DIGITALIS LEAVES.—Quiet conditions obt with prices unchanged. Portuguese, spot, 1 per cwt.; English, 2s. 6d. per lb.

ERGOT.—As new arrivals will be in p condition, sound parcels on spot are sell well at 6s. 6d. per lb.

GINGER.—West African, spot, 85s. per c

GUM ACACIA.—Market remains firm, w Kordofan cleaned sorts quoted at 72s. 6d. cwt. on spot; bleached at 175s.; and Ta cleaned, at 42s. 6d.

HENBANE.—Indian is quoted on spot at 2 per cwt., and Egyptian (*muticus*) at 85s. S low-testing Indian may be had at 9d. per lb

JALAP.—Material testing 12 per cent. r be had on spot at 4s. 6d. per lb.

KAMALA.—Material testing 6 per cent. is quoted at 2s. 9d. per lb.

KARAYA GUM.—No. 1 gum is quoted on s at 210s. per cwt.

MALE FERN ROOT.—Indian, steady on s at 77s. 6d. per cwt.

MERCURY.—As noted last week, a sharp has been made in the official price, the duction amounting to £38 10s. per bottle.

MYRRH.—Aden sorts of good quality may had on spot at £18 per cwt.

NUTMEGS.—In short supply at enhan prices; for spot goods, if available, from 3s. to 3s. 9d. would be wanted.

PAPAIN.—Good-testing Ceylon, on spot, 9s.

PEPPER.—Whole, not picked over or cleaned, sale to processors, is officially priced at 4d. per lb. for white and 1s. per lb. for black.

PIMENTO.—Sellers on spot at 1s. 3½d. per lb.

QUASSIA CHIPS.—Spot supplies are offered at . per cwt., ex store U.K.

QUILLAIA BARK.—Spot, natural, 90s. per .; cut, 110s.

SEEDS.—Market dull, with no alteration in ies. Current rates are as follows: CORIDER.—Indian, none available, price nominal 2s. 6d. per cwt.; Russian, fair amount here, demand small, price 92s. 6d.; English, ted stocks, price 90s. to 95s. per cwt. IN.—Maltese, 120s., sellers; Indian, same. L.—London, 85s.; Liverpool, 80s. FENNEL. upplies exhausted, nominal. FENUGREEK.—don, 75s.; Hull, 70s.

SENEGA ROOT.—About 11s. per lb. appears ave been realised for first arrivals.

SENNA.—Alexandrian hand-picked pods are ood demand; price nominal at 4s. per lb. d manufacturing Alexandrian pods, 2s. lb.

STROPHANTHUS SEED.—100 per cent. Kombé is available on spot at 7s. 6d. per lb.

TRAGACANTH.—Medium grades are quoted llows: No. 1, white, £130 per cwt.; No. 2, e, £115; No. 3, white, £100; No. 4, white, pale leaf, £60; amber leaf, £50; dark er, £35; brown leaf, £25; red-and-brown £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Quotations for bulk quantities difficult to obtain; good-coloured fine der may be had at 105s. to 110s. per cwt.

WAXES.—CANDELILLA.—Spot, 242s. 6d. CARNAUBA.—Fatty grey, spot, 530s.; chalky grey, 505s.; prime yellow, spot, 600s.; medium w, 590s. OURICURI.—Spot, 320s. to 350s., rding to quality; shipment, 285s., c.i.f.

Essential and Expressed Oils

ANISTOR.—Official prices for bulk supplies are llows: "Firsts," £82 per ton; "seconds," both prices naked ex works.

CLOVE.—Firm at the last-quoted price of 12s. 6d. to 13s. per lb. for English-distil .

COTTONSEED.—Controlled prices for bulk lies are as follows: Crude, £52 2s. 6d.; ed, £55 5s.; refined edible, £57; refined orised, £58 per ton; all varieties are quoted d ex works.

NUTMEG.—Supplies are meagre. Price of sh-distilled unchanged at from 55s. to per lb.

OLIVE (EDIBLE).—The price charged to the esaler by the importer is 25s. 9d. per n, ex store. Prices charged by wholesalers tailers are agreed by the Ministry of Food llows: 33s. 6d. per gallon, in 1-gallon loan 34s. 3d. per gallon, in ½-gallon loan cans; per gallon, in 1-quart loan cans; 36s. per n, in 1-pint loan cans.

CORRESPONDENCE

N.P.E.U. Policy

SIR,—At a meeting of the executive committee of the National Pharmaceutical Employees' Union on September 27, it was resolved that the enclosed letter should be sent to the secretary of the trade union side of the Joint Industrial Council for Retail Pharmacy. This letter, which becomes "policy," is submitted for publication.

The executive committee of the National Pharmaceutical Employees' Union do recommend that the Joint Industrial Council Agreement for 1945 be amended, with substantial increases in minimum rates of wages for all classes of pharmaceutical employee; also equal remuneration between the sexes. The executive committee are in agreement with the institution of a Wages Council for Retail Pharmacy under the Wages Council Act, 1945. I trust that this statement will be of assistance to you in your effort to secure better conditions of employment for the pharmaceutical employee.

Yours faithfully,

London. L. V. MELHUISH, *secretary*.

Disclaimer by the President

SIR,—I was very surprised to read the report of the meeting of the Nottingham Branch of the Society on September 17 (p. 315), when I gave an address on possible changes in the National Health Service in the light of the general election. In the discussion which followed the address, there were some present to whom a problematic future health service made no appeal, their present difficulties being all too real for them. The question was put to me, "could nothing further be done to get more pharmacists out of the Services?" As an illustration of the obstacles in the way, I referred to the unsympathetic attitude of Ministry of Labour officials when a deputation met them to discuss man-power problems. Remote though it is from the subject, this apparently is the basis of the report that I saw the Minister of Health in connexion with the National Health Service. I have never seen the Minister of Health, but I hope I may have the pleasure of meeting him during the course of the negotiations.—Yours faithfully,

JAMES C. YOUNG, *president*.

London, W.C.1. Pharmaceutical Society.

[The error was in the report as received, which came from an authoritative source, and which expressly referred to "Mr. Aneurin Bevan" as the Minister visited. We naturally regret giving currency to an incorrect report.—EDITOR.]

TRADE MARKS

(*From "The Trade Marks Journal," August* 29, 1945)

CONVERSION OF SPECIFICATION

Section 36 (3) and Rules 6 to 8

To Schedule IV (with amalgamations)

Specification No. 2,938, by T. Keating, Ltd., for insect powders, pharmaceutical preparations in the form of lozenges for human use; worm tablets. Specifications Nos. 94,777 and 380,887, by W. Gossage & Sons, Ltd., for laundry preparations, soaps, perfumes, toilet preparations, etc.

(*From "The Trade Marks Journal," September* 12)

"NEOCITEX"; for preparations for repelling and destroying vermin (5). By J. R. Geigy Société Anonyme, also trading as G. R. Geigy, A.G., 215 Schwarzwaldallee, Basle, 16, Switzerland. 633,373 (Associated).

(*From "The Trade Marks Journal," September* 19, 1945)

"GAMBANE" and "GAMBEX"; for industrial, agricultural, horticultural chemicals, etc. (excluding weed-killers, etc.); manures; preservatives; tanning substances (1). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 635,003–05 (Both Associated).

"DOLPHIN" (device of same); for soaps and laundry preparations (excluding laundry blue) (3); for toilet paper (16). By J. Evershed & Son, Ltd., 81 and 13 Eastern Road, Brighton, 7. 631,849 (Associated), 634,852.

"SANTELL"; for soaps, perfumery, essential oils, toilet and cosmetic preparations, dentifrices (3). By G. & W. Collins, Ltd., 23–49 Tontine Street, St. Helens, Lancs. B633,864.

"PAT"; for laundry preparations, perfumes, cosmetic and toilet preparations, etc. (3). By J. Bibby & Sons, Ltd., 21 King Edward Street, Liverpool. B634,099.

"FAM"; for medicated preparations for the treatment of the nose (5). By The Chemdrug Corporation, c/o J. E. Evans-Jackson & Co., 49 Albert Hall Mansions, London, S.W.7. 632,078.

APPLICATION FOR VARIATION OF COMPTROLLER'S ORDER FOR TEMPORARY SUSPENSION OF TRADE MARK RIGHTS

Section 3; (Emergency) Rules, 7 (4) and 8 to 10.

H. R. Napp, Ltd., apply for extension of the Order of Suspension for a further two years in regard to Specifications Nos. 409,799, 451,670 and 579,954 (Meta); and Nos. 525,425, 436,386, 610,393 and 612,031 (Mets and device).

ALTERATION OF REGISTERED TRADE MARK

Veno Drug Co., Ltd., have altered trade mark No. 536,163 for Venos Lightning cough mixture (see issue).

COMING EVENTS

Tuesday, October 9

LIVERPOOL CHEMISTS' ASSOCIATION, Reec Restaurant, Liverpool, 7–10.15 p.m. Soc evening.

CHESTERFIELD BRANCH, PHARMACEUTICAL S CIETY, Royal Hospital, Chesterfield, at 7 p.m. Annual meeting. Mr. F. C. Wilson member of the Society's Council) on "Gene Topics."

ROMFORD BRANCH, PHARMACEUTICAL SOCIE Queen's Hotel, Grays, at 8 p.m. Mr. D. Ardley on "Sulphonamide and Penicil Therapy." Special bus leaves Romf Market Place at 7 p.m.

NORTH METROPOLITAN BRANCH, PHARMACI TICAL SOCIETY, Beales' Restaurant, Hollow Road, London, N.7 (nr. Nag's Head), 7.30 p.m. Messrs. T. F. West, Ph.D., a G. A. Cambell, F.R.I.C., on "The Story D.D.T.," illustrated by Ministry of Inforr tion Film.

Wednesday, October 10

BRITISH ASSOCIATION OF CHEMISTS, 17 Bloo bury Square, London, W.C.1, at 6.30 p Dr. V. L. S. Charley on "Vitamins in Fr Juice Concentrates."

BIRMINGHAM PHARMACEUTICAL ASSOCIATI Botanical Gardens, Edgbaston, Birmingh at 5.30 p.m. Inaugural tea and da (dancing from 6.30 to 10.30 p.m.). Inclus ticket, 7s. 6d.

GLASGOW AND SOUTH-WESTERN SCOTT BRANCH, PHARMACEUTICAL SOCIETY, In tute of Accountants and Actuaries, 220 Vincent Street, Glasgow, at 7.30 p.m. J. C. Young, Ph.C. (president of the Socie on "The New Health Service: Where We Now?" Presentation of Kinninm prize.

Thursday, October 11

NATIONAL ASSOCIATION OF WOMEN PHAR CISTS, 17 Bloomsbury Square, London, W. at 7.30 p.m. Mr. M. Van Den Ende, M Ch.B., on "Recent Advances in the Con of Typhus."

Friday, October 12

ST. HELENS SECTION, BRITISH ASSOCIATION CHEMISTS, Y.M.C.A. Buildings, St. Helens 7.30 p.m. Mr. H. Pritchard, M.Sc., "Chromatography."

SOCIALIST MEDICAL ASSOCIATION, Frie House, Euston Road, London, N.W.1, 7.30 p.m. Mr. F. le Gros Clark, M.A. (se tary, Children's Nutrition Council), "World Famine This Winter?"

Saturday, October 13

ROYAL SANITARY INSTITUTE, Hope Hosp Eccles Old Road, Salford, at 10 a.m. J. L. Hurn on "New Remedies in Disinfe tion."

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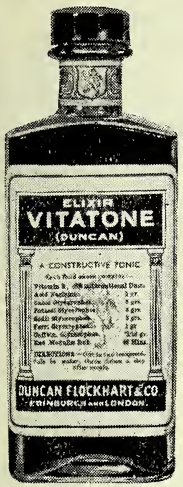

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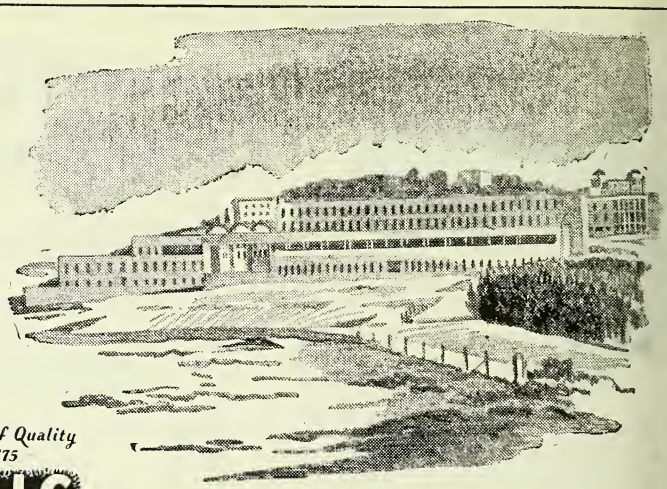

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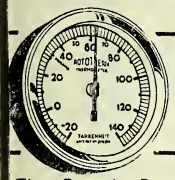

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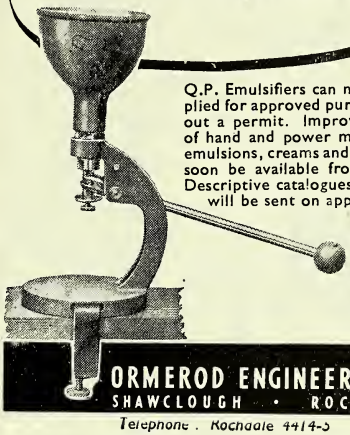

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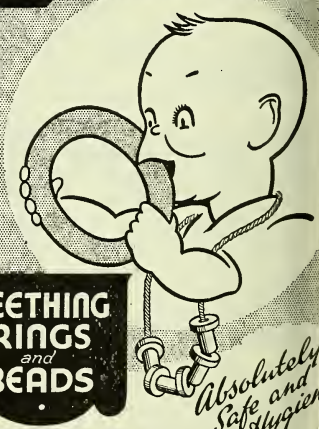

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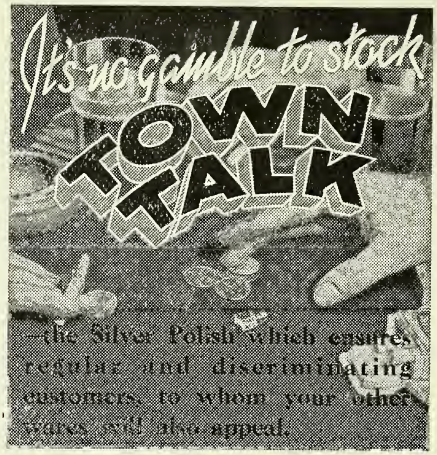

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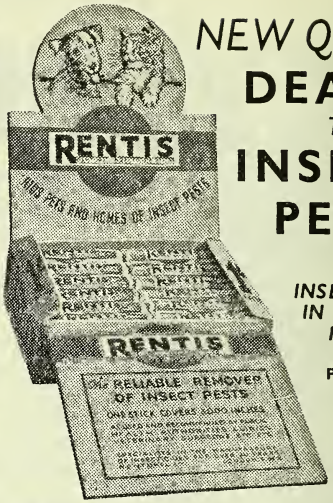

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JARS—TOILET, SMALL & LARGE BOTTLES for Toilet and Packed Medicines—Up to £1,000 worth

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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

OCTOBER 6 1945

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 1/- extra

SITUATIONS OPEN

/6 for 40 words or less, 2d. for every additional word.

one of the vacancies in these columns relates to a n between the ages of 18 and 50 inclusive or a nan between the ages of 18 and 40 inclusive unless r she is excepted from the provisions of the Control Engagement Order, 1945, or the vacancy is for em- ment excepted from the provisions of that Order.

RETAIL (HOME)

E. HOBBS, LTD., have a vacancy for an experienced qualified Pharmacist (experienced ualified male or female considered) for dispensing. ge high-class clientele. The position is permanent progressive, commanding an excellent salary. ly with usual details to 72 Mount Pleasant, bridge Wells.

RIGHTON. Qualified gentleman wanted as Superintendent in light Dispensing business; Sunday or holiday duty; state salary, age, and ht. Particulars, Smithsons, Ltd., Preston Circus, hton.

ALL & KING, Folkestone, have a vacancy for Qualified Assistant; sound dispensing experi- essential. Apply, in first instance, with full ils, to 36 Grosvenor Gardens, London, N.14.

ADY Dispenser required by Public Medical Ser- vice; no evening or Sunday duties. Write, ng details of experience, age, and salary required, The Pharmacist, Borough of Reading Medical ety, 10 Gun Street, Reading.

EEDS. Pharmacist urgently required for busy Pharmacy. Must be exempt military service. ly with full particulars to 629/648, C. & D. don Office.

EYTON, E.10. Qualified Lady required Dis- pensing and Counter (no Sundays or Half-day y); hours 9 a.m.–6.30 p.m. Comfortable post for right applicant. Apply with all particulars to 556, C.& D. London Office.

ONDON. Pharmacist required as Manager for high-class pharmacy in South Kensington. te, stating age, experience, and salary required, Young, 7 Sydney House, London, W.4.

ONDON, S.E. Young qualified (male) Assistant required, or experienced unqualified might suit, mpt National Service, for dispensing and counter. te, giving particulars of experience, references, n free, and salary expected, 628/628, C. & D. don Office.

OTTINGHAM. Manager wanted for Retail Pharmacy immediately. Must be M.P.S. charge prospects for energetic man. Salary £9 a k. Ex-Service preferred. Applications by letter stating age and qualifications to Messrs. Warren llen, Solicitors, Weekday Cross, Nottingham.

RRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from rmacists and Unqualified Persons requiring ations, except women between the ages of 18 41. Progressive vacancies available. Excellent ortunities exist for Unqualified Assistants.

HARMACIST required in old-established family business; Manchester district; partnership or chase later; present owner wishes to retire soon. ly, E. S., 1177 Chester Road, Stretford, Man- ster.

QUALIFIED Assistant required immediately for busy family and N.H.I. business in Batley, Yorks; good salary; no Sunday or half-day duties. Apply, giving usual particulars, E. Hughes, Chemist, Batley, Yorkshire.

QUALIFIED Assistant required in small country town; no Sunday or half-day duty; permanency. Apply, with usual details, A. G. Shum, Ltd., Madeley, near Wellington, Shropshire.

QUALIFIED Manager for branch business, lady or gentleman; full particulars in first letter. Also Qualified Assistant. Apply, W. E. Partridge, 431 Gloucester Road, Bristol, 7.

QUALIFIED Pharmacist required as Manager; previous experience as manager not essential; good prospects and permanent position; commencing salary, £350 plus bonus. State age, experience, qualifications, and when available, to Eric Holloway (Chemist), Ltd., Windmill House, Cradley Heath, Staffs.

ROYAL ARSENAL CO-OPERATIVE CHEMISTS, LTD., invite applications from qualified pharmacists for the position of Manager; unqualified Assistants also required; good prospects and holidays with pay. Apply, in writing, stating age, experience, and salary required, to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

SEVERAL Pharmacists of good experience and address are required by London Co-operative Chemists, Limited, for permanent and progressive positions in the London and Suburban areas. There is also a vacancy for a Chemist Optician which has splendid prospects. Applications, giving full particulars, to Manager, London Co-operative Chemists, Limited, 54 Maryland Street, Stratford.

UNQUALIFIED lady Assistant for counter and toilet; comfortable berth. A. Mackay, 13 Watling Avenue, Burnt Oak, Edgware.

WANTED, Lady Dispenser for country medical practice; 10 miles from Brighton. Doctors Eggar, Charlton and Green, Hurstpierpoint.

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WANTED, Qualified Manager for S.E. London Pharmacy; must have good experience in all branches, particularly medical and surgical products, full control and capable of buying. Easy hours and generous salary. Phone: Tideway 1389 or write: Atkinson, 285 Brockley Road, S.E.4.

WAREHOUSEMAN - STOREKEEPER wanted, used to handling drugs; permanency. W. E. Kirkman, Ltd., Chemists, New Milton, Hants.

WELWYN GARDEN CITY. Pharmacist wanted as Buyer and Superintendent for dispensaries of Welwyn Stores (1929), Ltd. Please apply, stating age, qualifications, experience, and salary required, to Staff Manager, Welwyn Stores (1929), Ltd., Welwyn Garden City.

LOCUMS WANTED

QUALIFIED Locum (lady or gentleman) required for business in country town in Lancashire, for six months, commencing October if possible; complete control of dispensary; one assistant kept; no Sunday or holiday duty; short hours. Apply, stating wages required, to 628/624, C. & D. London Office.

WHOLESALE

AGENTS, well introduced amongst Chemists, Druggists, Hairdressers and Perfumers, required by firm of repute making Perfumery Compounds and Essential Oils for these trades. Good commission paid. Write, giving full particulars, to 627/579, C. & D. London Office.

ASSISTANT Works Chemist. Excellent opportunity for a man, age 35–45, with sound and progressive firm of manufacturing chemists; only applicants with first-class experience of manufacturing pharmaceutical preparations, able to control raw materials and pass the finished product, need apply; a good salary with prospects is offered to a methodical man capable of controlling staff; written applications, which will be treated in strict confidence, must give full details of previous experience, salaries earned, and age. 624/489, C. & D. London Office.

COUNTER Hand (man or woman), with some experience of Drugs, required by leading London house; good wages and good hours. Reply, with the usual particulars and wages required, to 626/553, C. & D. London Office.

EXPORT Manager required by an association of Surgical Instrument and other Hospital Equipment Manufacturers. Apply, stating experience, etc., Box 95, C. R. C., 29 Hertford Street, London, W.1.

FIRST-CLASS Representative required to take over existing territories, one in Lancashire, one in Midlands and one in South London, for nationally-advertised proprietary medicine; salary, commission, expenses, and car allowance; permanency to first-class man of full experience and proved ability, calling only on chemists and allied dealers. Apply, in writing, to 628/633, C. & D. London Office.

FIRST-CLASS Representative required by Manufacturers of high-class Perfumed Soapless Concentrate (for the hair). South of England, West of England, East Anglia, Midlands, North of England and Scotland. Applications only considered from men of stability and initiative with established connexion amongst Departmental Stores, Co-ops., Hairdressers and Chemists. Apply, giving full details of experience, references and area covered, commission basis only. 627/591, C. & D. London Office.

IMPORTANT firm of Manufacturing Chemists require Organic Chemists and Laboratory Assistants for research and development of pharmaceutical chemicals. Positions progressive and permanent. Excellent opportunity for those interested in chemotherapy. Salary according to qualifications and experience. Applications treated confidentially. Fullest details and present salary to 627/608, C. & D. London Office.

LADY, qualified Pharmacist, to manage small female staff engaged on production and packing of pharmaceuticals and cosmetics; London; excellent prospects for a suitable person. 628/641, C. & D. London Office.

MAN wanted, experienced, manufacturing drugs; state age, wages, experience, references. Write, Director, Burdall's, Ltd., Hillsborough Works, Sheffield, 6.

MEDICAL Representatives. Well-known firm of manufacturing Chemists require the services of full-time Representatives, well experienced in medical propaganda, to cover the Midlands; qualified M.P.S. preferred; no direct sale of preparations, but education and propaganda only involved. Write, giving full details of qualifications, experience, and wages expected, to Box 762A, Smiths', 100 Fleet Street, E.C.4.

MIDLAND Manufacturing Chemists require an Unqualified Assistant for their galenical laboratory. Write, stating age and experience, to 624/477, C. & D. London Office.

OLD-ESTABLISHED London firm, Pharmaceutical Chemists (Wholesale only), requires Representatives for Scotland. Applicant should be between the ages of 30 to 40. Write, stating age, experience, and salary required, to 626/542, C. & D. London Office.

PHARMACIST, young, qualified, either sex, to take charge of small factory producing pharmaceuticals and cosmetics, female staff. London area. Excellent opportunity for person with initiative, drive, and some wholesale experience. 626/573, C. & D. London Office.

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REPRESENTATIVES required to carry attractive lines for the chemists' and hairdressers' trade on liberal commission basis; the territories open are S.W. England, Midlands, Eastern Counties, London and Scotland. Replies in confidence to Samuel Gordon & Co., 222 Shaftesbury Avenue, W.C.2.

REPRESENTATIVE required for good man calling on wholesale chemists' sundries; extra special line; good connexion. 628/627, C. & D. London Office.

STURTON & SONS, LTD., Wholesale and Retail Chemists, 78 Bridge Street, Peterborough, have vacancies for the following staff: Qualified Chemists, Accountant or Senior Clerk, up to Trial Balances, Charge Hand for Packing Department; male or female, exempt National Service; good salaries and post-war prospects. Apply by letter, stating age, experience, and salary required, to J. W. Fowler, Managing Director.

SUPERINTENDENT-PHARMACIST (lady or gentleman) required to take charge of dispensary and small-scale manufacture of medicinal, veterinary, and toilet preparations; business situated in pleasant country market town; short hours, no Sunday or holiday duty. Apply, giving particulars of experience, with copy references and salary required, to J. Thomas (Garstang), Ltd., The Pharmacy, Garstang, near Preston, Lancs.

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TRAVELLERS required in all territories calling on Wholesale and Retail Chemists; the line is a quick-selling soapless shampoo at a very competitive price and attractively packed; excellent prospects for the right type of man. Apply, Gleim Shampoo Co., Newbury.

WILLIAM TOOGOOD, LTD., require an Assistant in their laboratory with a knowledge of manufacturing chemists and toilet preparations under supervision. Apply by letter, stating qualifications to Mermaid Court, 165A Borough High Street, S.E.

WHOLESALE (COLONIAL)

A LEADING U.S.A. Drug and Chemical Manufacturing House has vacancies for one or more Works Chemists having actual manufacturing experience and good technical background in the following production fields: (1) Synthetic Organic Medicinals, (2) Alkaloids and Miscellaneous Plant Principles, (3) Hormones—Natural and Synthetic; and (4) Essential Oils and Allied Aromatic Chemicals. A representative of the company will be visiting the United Kingdom shortly, and will interview applicants at their convenience. Advertiser is aware of the Control of Engagement Order, and will be agreeable to awaiting relaxation of this if it becomes an obstacle to the conclusion of a mutual engagement. Applications must contain full particulars of experience, personal background, educational attainments and salary required. All replies will be held in confidence. 628/632, C. & D. London Office.

REQUIRED. Qualified Chemist for overseas Wholesale Chemist Department, with full nowledge of wholesale organization and knowledge f preparing preparations in laboratories. 627/585, . & D. London Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

LOCUMS SEEKING ENGAGEMENT

OCUM disengaged October 12 onward; town or country; terms reasonable; any period. ll particulars, 628/643, C. & D. London Office.

WHOLESALE

DVERTISER wishes to contact progressive Manufacturer considering development of Packed oods or other lines suitable for mass production. 8/620, C. & D. London Office.

B.Sc. Pharmaceutics (1945), keen, able, requires position with manufacturing firm, preferly Cosmetics; available for immediate interview London. 628/626, C.& D. London Office.

APTAIN Quartermaster, R.A.M.C., 22 years' service, age 44, energetic and adaptable, seeks ployment as Storekeeper, etc.; qualified Army spenser; 2½ years as O.C. base depot medical res; available for immediate employment. 8/622, C. & D. London Office.

HEMIST (31), exempt, resident in W. Riding of Yorkshire, seeks full-time Representation for utable firm on salary, commission and expenses sis; interview desired. CDB/426, C. & D. London fice.

OSMETIC Chemist, experienced, manufacturing modern first-class cosmetic preparations n formulas, if wanted), wants situation; also nsulting. 628/618, C. & D. London Office.

ENERAL Manager, widely experienced, qualified with successful record in home sales only, uires post offering opportunity entering export de. 629/646, C. & D. London Office.

EPRESENTATIVE (35) with excellent connexion among chemists, co-ops. and stores in the four rthern Counties and the W.R. of Yorks, desires a re progressive position with house of repute or uld consider two or three sole agencies. 529/645, & D. London Office.

EPRESENTATIVE, connexion North-east Counties, requires additional line; commission basis; ling on chemists, departmental stores, hairdressers, op. societies. Write, 628/642, C. & D. London fice.

EPRESENTATIVE (linguist), world-wide experience, seeks residential position abroad; any ntry; luxury lines appealing to women; free vel immediately. 628/616, C. & D. London Office.

EPRESENTATIVE requires change; excellent connexion; chemists, hairdressers, stores; rks and Durham; good lines, including Cosmetics; ary, commission expense, or expense commission sis. Write, 628/623, C. & D. London Office.

ALES Manager, M.P.S., having full experience control travellers, propaganda, and advertising, ks responsible berth. 629/647, C. & D. London ice.

COTLAND. Representative with first-class sales record with well-known proprietary and cosmetic houses desires post as Representative with utable firm where selling ability and sales will be varded. 628/635, C. & D. London Office.

ABLET Maker, 29 years', experience all processes compressing, etc., all machinery English, erican, etc., foreman, at liberty after October 8, 45; North-West or Provinces. 628/629, C. & D. ndon Office.

ORKS Manager or Assistant (unqualified), wide office and works experience; energetic, reli-e, and resourceful; moderate salary; South. 8/621, C. & D. London Office.

WORKS Manager (Pharmaceutical Chemist) desires responsible appointment; extensive manufacturing and administrative experience. Cosmetic perfumery and pharmaceutical products. 629/649, C. & D. London Office.

APPOINTMENTS

CITY OF MANCHESTER

CRUMPSALL HOSPITAL (1,400 BEDS)
APPOINTMENT OF
ASSISTANT PHARMACIST (TEMPORARY)

Applications are invited for the post of temporary Assistant Pharmacist (non-resident) at the Crumpsall Hospital (adult, general), Crumpsall, Manchester, 8. Although the vacancy is on the permanent assignment of staff, the appointment will be temporary for the time being, and subsequently the officer appointed will be eligible to apply for the permanent post.

Candidates should possess a qualification granted by or recognised by the Pharmaceutical Society of Great Britain.

Basic salary, £295 per annum plus a temporary cost of living wages addition amounting to £60 per annum in respect of a male officer and £48 5s. per annum in respect of a female officer. The post is subject to the Manchester Corporation conditions of service.

Full particulars may be obtained from the Medical Superintendent of the Hospital, and all applications, stating age, qualifications, experience, and present appointment are to be addressed to him not later than 13th October, 1945.

Canvassing in any form, oral or written, direct or indirect, is prohibited.

Town Hall, Manchester, 2. PHILIP B. DINGLE, *Town Clerk.*
25th September, 1945.

REDHILL COUNTY HOSPITAL

EARLSWOOD COMMON, REDHILL
ST. LUKE'S HOSPITAL, GUILDFORD
ASSISTANT PHARMACIST (temp.), must be M.P.S. or Ph.C. Salary grade: £250 plus £10–£300 p.a. plus war bonus 23s. p.w. male, 18s. 6d. p.w. female.

Apply to Medical Superintendent.

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BRITAIN wants export trade. South Africa wants British goods. Representation wanted for pharmaceutical, medical, and hospital requirements by thoroughly experienced and competent business men known throughout the Union of South Africa. Bank reference available. "Scott," 628/630, C. & D. London Office.

SWEDEN—HOLLAND

Well-reputed Agency firm, desirous of extending its field of activities, is interested in representing competitive exporters of Cosmetic articles, Chemicals for the cosmetic industry, Toilet articles, Rubber goods; first-class English, Swedish, and Dutch references. E. Meylink, Kosmetic, Stockholm, De Geersgatan 14.

SWEDISH Manufacturer of Chemical and Toilet products desires contact suppliers of: Lanette wax or water-soluble emulsion wax, fatty alcohol-sulphonate for shampoos, henna, sulpho-*p*-phenylenediamine, sulpho-*p*-amidodiphenylamine, sulpho-*o*-amidophenol, *p*-amidophenol-chlorhydrate, *p*-amidodiphenylamine, paratolnylendiamine. Parfumeri Fragrance, Ostindiefarargatan 5, Malmö, Sverige.

PARTNERSHIPS

QUALIFIED Chemist requires Partnership or Directorship in wholesale or manufacturing business; investment, £2,000–£3,000. 628/640, C. & D. London Office.

QUALIFIED Chemist wanted as partner for a good shop in East Central London. For details, write 628/639, C. & D. London Office.

BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. for every additional word.

A SMALL limited company, formed 1919, manufacturing and selling ethical preparations to the medical profession, owing to age and staff difficulties, desires to contact firm doing similar business with view to amalgamation or sale; principals only; no agents. 628/636, C. & D. London Office.

AN excellent prospect to qualified, demobbed or discharged Service man or woman, to manage Branch Pharmacy on partnership basis or succession (London area); early appointment desirable to discuss details. 625/527, C. & D. London Office.

FIRM of Manufacturing Chemists required, able manufacture immediately 10,000 doz. Lipsticks (quota) for well-known perfumery house. 628/638, C. & D. London Office.

MANUFACTURER with some thousands of live accounts and travellers covering British Isles, personally connected with Chemists, Hairdressers, Wholesalers, Co-ops, and Stores, would like to get in touch with other Manufacturer of high-class lines suitable Drug and Perfumery departments, with view of distribution, buying or commission basis. 627/603, C. & D. London Office.

MANUFACTURERS of well-known product, with factory and warehouse adjacent to Liverpool, with own selling organisation covering the whole of the United Kingdom, offers packing and filling facilities for one or two lines; sale distribution could be undertaken with guaranteed coverage of chemists, hardware stores, co-operatives, departmental stores, wholesalers and merchants; factory and administration under fully-qualified directors. Replies, in first instance, to B.Com., Porthkerry House, Gainsborough Avenue, Maghull, near Liverpool.

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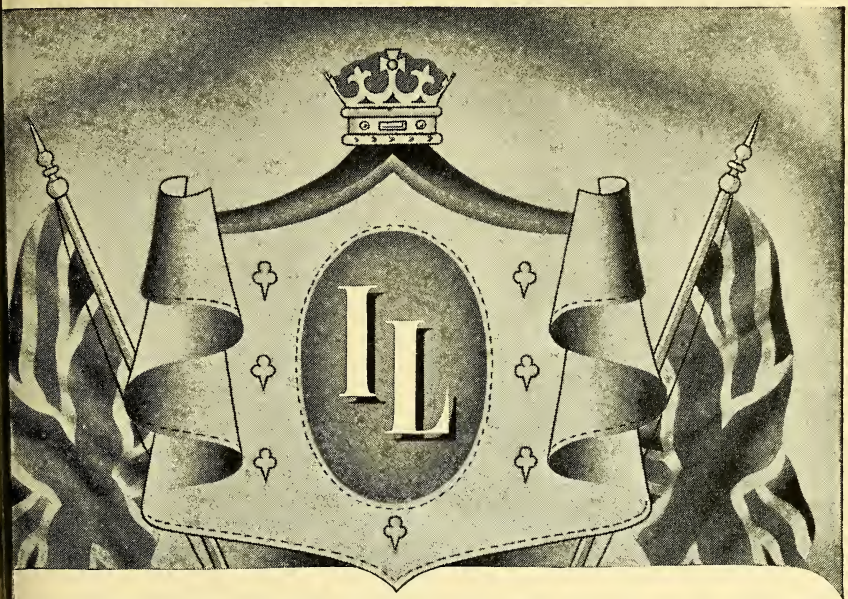

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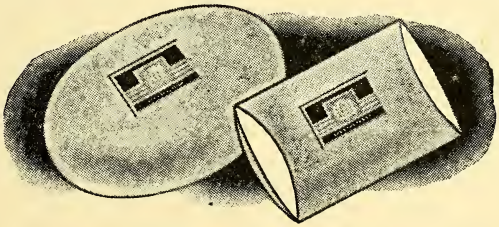

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